

**ATCC Deposit No.: 209067****DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

**SWEDEN**

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**NETHERLANDS**

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

Applicant's or agent's file reference number	PA101PCT	International application No.	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution American Type Culture Collection	
Address of depositary institution (including postal code and country) 10801 University Boulevard Manassas, Virginia 20110-2209 United States of America	
Date of deposit 20 May 1997	Accession Number 209068
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States) Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable) The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	

<input checked="" type="checkbox"/> For receiving Office use only This sheet was received with the international application Authorized officer <b>Sonya D. Barnes</b> <b>PCT/Internat'l Appl Processing Div</b> <b>(703) 305-3665</b>	<input type="checkbox"/> For International Bureau use only This sheet was received by the International Bureau on Authorized officer
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Form PCT/RO/134 (July 1992)

**ATCC Deposit No.: 209068**

## **CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

## **NORWAY**

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## **AUSTRALIA**

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## **FINLAND**

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

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**ATCC Deposit No.: 209068**

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Applicant's or agent's file reference number	PA101PCT	International application No.	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13/15)

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B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution American Type Culture Collection	
Address of depositary institution (including postal code and country) 10801 University Boulevard Manassas, Virginia 20110-2209 United States of America	
Date of deposit 20 May 1997	Accession Number 209069
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)	
Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)	
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Authorized officer Sonya D. Barnes PCT/Internat'l Appl Processing Div (703) 305-3665	Authorized officer

Form PCT/RO/134 (July 1992)

**ATCC Deposit No.: 209069**

## **CANADA**

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## **FINLAND**

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ATCC Deposit No.: 209069

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## SWEDEN

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## NETHERLANDS

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Applicant's or agent's file reference number	PA101PCT	International application No.	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution American Type Culture Collection	
Address of depositary institution (including postal code and country) 10801 University Boulevard Manassas, Virginia 20110-2209 United States of America	
Date of deposit 12 January 1998	Accession Number 209579
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States) Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable) The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	
<input checked="" type="checkbox"/> For receiving Office use only This sheet was received with the international application  Authorized officer <b>Sonya D. Barnes</b> PCT/Internat'l Appl Processing Div (703) 306-3865	<input type="checkbox"/> For International Bureau use only This sheet was received by the International Bureau on:  Authorized officer

Form PCT/RO/134 (July 1992)

**ATCC Deposit No.: 209579**

## **CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

## **NORWAY**

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## **AUSTRALIA**

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## **FINLAND**

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## **UNITED KINGDOM**

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**ATCC Deposit No.: 209579**

### **DENMARK**

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### **NETHERLANDS**

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Applicant's or agent's file reference number	PA101PCT	International application No.	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution American Type Culture Collection	
Address of depositary institution (including postal code and country) 10801 University Boulevard Manassas, Virginia 20110-2209 United States of America	
Date of deposit 12 January 1998	Accession Number 209578
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States) Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable) The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	
<input checked="" type="checkbox"/> For receiving Office use only This sheet was received with the international application  Authorized officer <b>Sonya D. Barnes</b> <b>PCT/Internat'l Appl Processing Div</b> <b>(703) 305-3665</b>	<input type="checkbox"/> For International Bureau use only This sheet was received by the International Bureau on:  Authorized officer

Form PCT/RO/134 (July 1992)

ATCC Deposit No.: 209578

### CANADA

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### NORWAY

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### FINLAND

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### UNITED KINGDOM

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Applicant's or agent's file  
reference number

PA101PCT

International application No.

UNASSIGNED

## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT	
Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>16 July 1998</u>	Accession Number <u>203067</u>
C. ADDITIONAL INDICATIONS (leave blank if not applicable)	
This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)	
<u>Europe</u> In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
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<input checked="" type="checkbox"/> For receiving Office use only	<input type="checkbox"/> For International Bureau use only
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Form PCT/RO/134 (July 1992)

ATCC Deposit No.: 203067

**CANADA**

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Applicant's or agent's file  
reference number

PA101PCT

International application No.

UNASSIGNED

## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution American Type Culture Collection	
Address of depositary institution (including postal code and country) 10801 University Boulevard Manassas, Virginia 20110-2209 United States of America	
Date of deposit 16 July 1998	Accession Number 203068
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)	
Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	

For receiving Office use only
<input checked="" type="checkbox"/> This sheet was received with the international application
Authorized officer Sonya D. Barnes PCT/Internat'l Appl Processing Div (703) 305-3665

For International Bureau use only
<input type="checkbox"/> This sheet was received by the International Bureau on:
Authorized officer

Form PCT/RO/134 (July 1992)

ATCC Deposit No.: 203068

## CANADA

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

## NORWAY

The applicant hereby requests that the application has been laid open to public inspection (by the Norwegian Patent Office), or has been finally decided upon by the Norwegian Patent Office without having been laid open inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Norwegian Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Norwegian Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on the list of recognized experts drawn up by the Norwegian Patent Office or any person approved by the applicant in the individual case.

## AUSTRALIA

The applicant hereby gives notice that the furnishing of a sample of a microorganism shall only be effected prior to the grant of a patent, or prior to the lapsing, refusal or withdrawal of the application, to a person who is a skilled addressee without an interest in the invention (Regulation 3.25(3) of the Australian Patents Regulations).

## FINLAND

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

## UNITED KINGDOM

The applicant hereby requests that the furnishing of a sample of a microorganism shall only be made available to an expert. The request to this effect must be filed by the applicant with the International Bureau before the completion of the technical preparations for the international publication of the application.

**ATCC Deposit No.: 203068**

### **DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

### **SWEDEN**

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### **NETHERLANDS**

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

Applicant's or agent's file reference number	PA101PCT	International application No.	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> . line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT <span style="float: right;">Further deposits are identified on an additional sheet <input type="checkbox"/></span>	
Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>01 February 1999</u>	Accession Number <u>203609</u>
C. ADDITIONAL INDICATIONS (leave blank if not applicable) <span style="float: right;">This information is continued on an additional sheet <input type="checkbox"/></span>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)	
<u>Europe</u> In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	
<input checked="" type="checkbox"/> For receiving Office use only This sheet was received with the international application	<input type="checkbox"/> For International Bureau use only This sheet was received by the International Bureau on: <u>  </u>
Authorized officer <u>Sandra D. Barnes</u> <u>PCT/Internat'l Appl Processing Div</u> <u>(703) 305-3665</u>	Authorized officer <u>  </u>

Form PCT/RO/134 (July 1992)



**ATCC Deposit No.: 203609****CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

**NORWAY**

The applicant hereby requests that the application has been laid open to public inspection (by the Norwegian Patent Office), or has been finally decided upon by the Norwegian Patent Office without having been laid open inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Norwegian Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Norwegian Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on the list of recognized experts drawn up by the Norwegian Patent Office or any person approved by the applicant in the individual case.

**AUSTRALIA**

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**FINLAND**

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

**UNITED KINGDOM**

The applicant hereby requests that the furnishing of a sample of a microorganism shall only be made available to an expert. The request to this effect must be filed by the applicant with the International Bureau before the completion of the technical preparations for the international publication of the application.

**ATCC Deposit No.: 203609**

**DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

**SWEDEN**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Swedish Patent Office), or has been finally decided upon by the Swedish Patent Office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the International Bureau before the expiration of 16 months from the priority date (preferably on the Form PCT/RO/134 reproduced in annex Z of Volume I of the PCT Applicant's Guide). If such a request has been filed by the applicant any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Swedish Patent Office or any person approved by a applicant in the individual case.

**NETHERLANDS**

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Applicant's or agent's file reference number	PA101PCT	International application No.	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution American Type Culture Collection	
Address of depositary institution (including postal code and country) 10801 University Boulevard Manassas, Virginia 20110-2209 United States of America	
Date of deposit 01 February 1999	Accession Number 203610
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States) Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable) The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	
<input checked="" type="checkbox"/> For receiving Office use only This sheet was received with the international application  Authorized officer <b>Sonya D. Barnes</b> PCT/Internat'l Appl Processing Div (703) 306-3665	<input type="checkbox"/> For International Bureau use only This sheet was received by the International Bureau on:  Authorized officer

Form PCT/RO/134 (July 1992)

**ATCC Deposit No.: 203610****CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

**NORWAY**

The applicant hereby requests that the application has been laid open to public inspection (by the Norwegian Patent Office), or has been finally decided upon by the Norwegian Patent Office without having been laid open inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Norwegian Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Norwegian Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on the list of recognized experts drawn up by the Norwegian Patent Office or any person approved by the applicant in the individual case.

**AUSTRALIA**

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**FINLAND**

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

**UNITED KINGDOM**

The applicant hereby requests that the furnishing of a sample of a microorganism shall only be made available to an expert. The request to this effect must be filed by the applicant with the International Bureau before the completion of the technical preparations for the international publication of the application.

ATCC Deposit No.: 203610

**DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

**SWEDEN**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Swedish Patent Office), or has been finally decided upon by the Swedish Patent Office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the International Bureau before the expiration of 16 months from the priority date (preferably on the Form PCT/RO/134 reproduced in annex Z of Volume I of the PCT Applicant's Guide). If such a request has been filed by the applicant any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Swedish Patent Office or any person approved by a applicant in the individual case.

**NETHERLANDS**

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

Applicant's or agent's file reference number	PA101PCT	International application No.	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> . line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>17 November 1998</u>	Accession Number <u>203485</u>
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)	
<u>Europe</u> In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g. "Accession Number of Deposit")	
<input checked="" type="checkbox"/> For receiving Office use only This sheet was received with the international application	<input type="checkbox"/> For International Bureau use only This sheet was received by the International Bureau on:
Authorized officer <u>Sonya D. Barnes</u> <u>PCT/Internat'l Appl Processing Div</u> <u>(703) 305-3665</u>	Authorized officer

Form PCT/RO/134 (July 1992)

ATCC Deposit No.: 203485

#### CANADA

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

#### NORWAY

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#### AUSTRALIA

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#### FINLAND

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

#### UNITED KINGDOM

The applicant hereby requests that the furnishing of a sample of a microorganism shall only be made available to an expert. The request to this effect must be filed by the applicant with the International Bureau before the completion of the technical preparations for the international publication of the application.

**ATCC Deposit No.: 203485**

**DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

**SWEDEN**

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**NETHERLANDS**

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.



Applicant's or agent's file reference number	PA101PCT	International application No.	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution American Type Culture Collection	
Address of depositary institution (including postal code and country) 10801 University Boulevard Manassas, Virginia 20110-2209 United States of America	
Date of deposit 18 June 1999	Accession Number PTA-252
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)	
Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	
For receiving Office use only	For International Bureau use only
<input checked="" type="checkbox"/> This sheet was received with the international application	<input type="checkbox"/> This sheet was received by the International Bureau on:
Authorized officer Sonya O. Barnes PCT/Internat'l Appl Processing Div (703) 305-3865	Authorized officer

Form PCT/RO/I 34 (July 1992)

**ATCC Deposit No.: PTA-252**

### **CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

### **NORWAY**

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### **FINLAND**

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### **UNITED KINGDOM**

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**ATCC Deposit No.: PTA-252****DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

**SWEDEN**

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**NETHERLANDS**

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Applicant's or agent's file  
reference number

PA101PCT

International application No.

UNASSIGNED

## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT <span style="float: right;">Further deposits are identified on an additional sheet <input type="checkbox"/></span>	
Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>18 June 1999</u>	Accession Number <u>PTA-253</u>
C. ADDITIONAL INDICATIONS (leave blank if not applicable) <span style="float: right;">This information is continued on an additional sheet <input type="checkbox"/></span>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)	
Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g. "Accession Number of Deposit")	

<p>For receiving Office use only</p> <p><input checked="" type="checkbox"/> This sheet was received with the international application</p> <p>Authorized officer <b>Sonya D. Barnes</b> <b>P&amp;T/Internat'l Appl Processing Div</b> <b>(703) 305-3665</b></p>	<p>For International Bureau use only</p> <p><input type="checkbox"/> This sheet was received by the International Bureau on:</p> <p>Authorized officer</p>
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Form PCT/RO/134 (July 1992)

ATCC Deposit No.: PTA-253

**CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

**NORWAY**

The applicant hereby requests that the application has been laid open to public inspection (by the Norwegian Patent Office), or has been finally decided upon by the Norwegian Patent Office without having been laid open inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Norwegian Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Norwegian Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on the list of recognized experts drawn up by the Norwegian Patent Office or any person approved by the applicant in the individual case.

**AUSTRALIA**

The applicant hereby gives notice that the furnishing of a sample of a microorganism shall only be effected prior to the grant of a patent, or prior to the lapsing, refusal or withdrawal of the application, to a person who is a skilled addressee without an interest in the invention (Regulation 3.25(3) of the Australian Patents Regulations).

**FINLAND**

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

**UNITED KINGDOM**

The applicant hereby requests that the furnishing of a sample of a microorganism shall only be made available to an expert. The request to this effect must be filed by the applicant with the International Bureau before the completion of the technical preparations for the international publication of the application.

**ATCC Deposit No.: PTA-253**

**DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

**SWEDEN**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Swedish Patent Office), or has been finally decided upon by the Swedish Patent Office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the International Bureau before the expiration of 16 months from the priority date (preferably on the Form PCT/RO/134 reproduced in annex Z of Volume I of the PCT Applicant's Guide). If such a request has been filed by the applicant any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Swedish Patent Office or any person approved by a applicant in the individual case.

**NETHERLANDS**

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

Applicant's or agent's file  
reference number

PA101PCT

International application No.

UNASSIGNED

## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>100</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT <span style="float: right;">Further deposits are identified on an additional sheet <input type="checkbox"/></span>	
Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>22 December 1999</u>	Accession Number <u>PTA-1081</u>
C. ADDITIONAL INDICATIONS (leave blank if not applicable) <span style="float: right;">This information is continued on an additional sheet <input type="checkbox"/></span>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)	
Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	
<input checked="" type="checkbox"/> For receiving Office use only This sheet was received with the international application	<input type="checkbox"/> For International Bureau use only This sheet was received by the International Bureau on:
Authorized officer <u>Sonya D. Barnes</u> <u>PCT/Internat'l Appl Processing Div</u> <u>(703) 305-3865</u>	Authorized officer

Form PCT/RO/134 (July 1992)

**ATCC Deposit No.: PTA-1081**

### **CANADA**

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ATCC Deposit No.: PTA-1081

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## NETHERLANDS

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

*What Is Claimed Is:*

1. An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence at least 95% identical to a sequence selected from the group consisting of:
- 5 (a) a polynucleotide fragment of SEQ ID NO:X or a polynucleotide fragment of the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
- 10 (b) a polynucleotide encoding a polypeptide fragment of SEQ ID NO:Y or a polypeptide fragment encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
- (c) a polynucleotide encoding a polypeptide fragment of a polypeptide encoded by SEQ ID NO:X or a polypeptide fragment encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
- 15 (d) a polynucleotide encoding a polypeptide domain of SEQ ID NO:Y or a polypeptide domain encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
- (e) a polynucleotide encoding a polypeptide epitope of SEQ ID NO:Y or a polypeptide epitope encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
- 20 (f) a polynucleotide encoding a polypeptide of SEQ ID NO:Y or the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X, having biological activity;
- (g) a polynucleotide which is a variant of SEQ ID NO:X;
- 25 (h) a polynucleotide which is an allelic variant of SEQ ID NO:X;
- (i) a polynucleotide which encodes a species homologue of the SEQ ID NO:Y;
- (j) a polynucleotide capable of hybridizing under stringent conditions to any one of the polynucleotides specified in (a)-(i), wherein said polynucleotide does not hybridize under stringent conditions to a nucleic acid molecule having a nucleotide
- 30

sequence of only A residues or of only T residues.

2. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises a nucleotide sequence encoding a protein.

5

3. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises a nucleotide sequence encoding the sequence identified as SEQ ID NO:Y or the polypeptide encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X.

10

4. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises the entire nucleotide sequence of SEQ ID NO:X or the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X.

15

5. The isolated nucleic acid molecule of claim 2, wherein the nucleotide sequence comprises sequential nucleotide deletions from either the C-terminus or the N-terminus.

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6. The isolated nucleic acid molecule of claim 3, wherein the nucleotide sequence comprises sequential nucleotide deletions from either the C-terminus or the N-terminus.

25

7. A recombinant vector comprising the isolated nucleic acid molecule of claim 1.

8. A method of making a recombinant host cell comprising the isolated nucleic acid molecule of claim 1.

30

9. A recombinant host cell produced by the method of claim 8.

10. The recombinant host cell of claim 9 comprising vector sequences.
11. An isolated polypeptide comprising an amino acid sequence at least  
5 95% identical to a sequence selected from the group consisting of:
- (a) a polypeptide fragment of SEQ ID NO:Y or of the sequence encoded by the cDNA included in the related cDNA clone;
  - (b) a polypeptide fragment of SEQ ID NO:Y or of the sequence encoded by the cDNA included in the related cDNA clone, having biological activity;
  - 10 (c) a polypeptide domain of SEQ ID NO:Y or of the sequence encoded by the cDNA included in the related cDNA clone;
  - (d) a polypeptide epitope of SEQ ID NO:Y or of the sequence encoded by the cDNA included in the related cDNA clone;
  - (e) a full length protein of SEQ ID NO:Y or of the sequence encoded by the  
15 cDNA included in the related cDNA clone;
  - (f) a variant of SEQ ID NO:Y;
  - (g) an allelic variant of SEQ ID NO:Y; or
  - (h) a species homologue of the SEQ ID NO:Y.
- 20 12. The isolated polypeptide of claim 11, wherein the full length protein comprises sequential amino acid deletions from either the C-terminus or the N-terminus.
- 25 13. An isolated antibody that binds specifically to the isolated polypeptide of claim 11.
14. A recombinant host cell that expresses the isolated polypeptide of claim 11.
- 30 15. A method of making an isolated polypeptide comprising:

(a) culturing the recombinant host cell of claim 14 under conditions such that said polypeptide is expressed; and

(b) recovering said polypeptide.

5           16.    The polypeptide produced by claim 15.

17.    A method for preventing, treating, or ameliorating a medical condition, comprising administering to a mammalian subject a therapeutically effective amount of the polypeptide of claim 11 or the polynucleotide of claim 1.

10

18.    A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or absence of a mutation in the polynucleotide of claim 1; and

15

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or absence of said mutation.

19.    A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

20

(a) determining the presence or amount of expression of the polypeptide of claim 11 in a biological sample; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or amount of expression of the polypeptide.

25

20.    A method for identifying a binding partner to the polypeptide of claim 11 comprising:

(a) contacting the polypeptide of claim 11 with a binding partner; and

(b) determining whether the binding partner effects an activity of the polypeptide.

30

21. The gene corresponding to the cDNA sequence of SEQ ID NO:Y.
22. A method of identifying an activity in a biological assay, wherein the method comprises:
- 5 (a) expressing SEQ ID NO:X in a cell;
- (b) isolating the supernatant;
- (c) detecting an activity in a biological assay; and
- (d) identifying the protein in the supernatant having the activity.
- 10 23. The product produced by the method of claim 20.

## SEQUENCE LISTING

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gaaaagccaa aaaaaaaaaa aaaaac 986

<210> 5

<211> 370

<212> DNA

<213> Homo sapiens

<400> 5

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atctaattggc tctgccccaa cacgaatctc agtacaatgc ttgtcccctg ccaccacagg 180  
ctcagcatca gtagatctct gttgtaccag agatatttct ctgttacctg gagagccacc 240  
tattgctgtt cccacaggtg tttttggccc cttgccgact ggcagtgtcg gtttgctatt 300  
tgatctctca agcctaaatt taaaaggtgt tcaagtacat actggtgtaa ttgattctga 360  
tattcaggtg 370

<210> 6

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<400> 6

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atcaccaccc tgctgtcacc ctaacaaagc aaccatcatc tctcaaaata aatcctaata 180
tccttagggc ttcttagggc tactctttat gcccaggct acctatccag gtgaatctct 240
tccagttctc ctccatgaat ttctgtctca cagaatgcat gtaccattgc actttgtaac 300
gtcagtctct cccaccagac aatgatcaga ttcttagttg tctctttata cccattcaca 360
gtgcactgac tgagcacaaa ttttaaggct caataaatgg taagtgaatg aataatgaat 420
gaatgaatgc tacaatattg attataatgg ataaagagat atattgacct gcttgacaga 480
aagccgaggg gggcaaagta aaatgggcct n 511
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<210> 7

<211> 718

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (630)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (634)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (676)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (702)

<223> n equals a,t,g, or c

<400> 7

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tgccagtggg tctccattgc ccagctcctg cccacactcc cgctgttgcc cctgaccaga 180
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<210> 8

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

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tcataattct acacctgtgt gtggcctggc caacataatg atttaggtga tctagagttt 240  
agtcaaactg gataattgat tgtaattgct tagaaattta ccacaaaaat cgcctctgtt 300  
tctttgggat tgctcctaac ttttcacttc ttttgagggc tgcacacgct gtnctcagca 360  
gctactggtc ccagccactg ggggaagaaa gaaatgcatg gtaggacagc ncttaccat 420  
tccttttaat tgcnaattc gaagc 445

<210> 9

<211> 758

<212> DNA

<213> Homo sapiens

<400> 9

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cccagccgct ccattgcctgg cttagaggaga aggaggagcc acatgtggta cactggaggc 240  
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<210> 10

<211> 3064

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1375)

<223> n equals a,t,g, or c

<400> 10

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gagcggatga agcacgagaa gacgggtggac atctatggcc acgtgacctg catgcgatca 360  
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<210> 11

<211> 1496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1478)

<223> n equals a,t,g, or c

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<210> 12

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1407)

<223> n equals a,t,g, or c

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<210> 13

<211> 3548

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1103)

<223> n equals a,t,g, or c

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<210> 14

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<400> 14

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tgccttgga aaagaagacc ttaccattaa gatttcagac agaggaggtg gtgttccctt 180
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tgcaaagtac tttcaaggar atctgaatct ctactcttta wcaggatatg gaacagatgc 360
tatcatctac ttaaaggctt tggttackkc ttgccaattt ctcgtctgta tgcaaagtac 420
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<211> 864

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (847)

<223> n equals a,t,g, or c

<400> 15

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ttaggccaga gtggagtggg acaggaggtg ccgagagagg actgaggtg cttgggacat 180
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<210> 16

<211> 2805

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 16

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tgaaagaagc	tggtaaagga	ggcgctcgctg	attccagaga	gctaaaccga	tgcttcggga	480
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<210> 17

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (608)

<223> n equals a,t,g, or c

<400> 17

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ggggatttgg attgttgccg ctctgctctg aagaaagtgc tgtctggctc caactccagt 180  
tctttccctt gagcagcgc tggaacctaa ccttccccc tctgtcacct tctcgatccc 240  
gccggcgctt tagagccgca gtccagtctt ggatccttca gagcctcagc cactagctgc 300  
gatgcatgtg atcaagcgag atggccgcca agaacgagtc atgtttgaca aaattacatc 360  
tcgaatccag aagctttgtt atggactcaa tatggatttt gttgatcctg ctcagatcac 420  
catgaaagta atccaaggct tgtacagtgg ggtaaccaca gtggaactag atactttggc 480  
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gatcgctgtc tctaacttgc acaaagaaac aaagaaagtg ttcagtgatg tgatggaaga 600  
cctctatnaa ctacataaat ccacataatg gcaaacactc tcccatgggtg gccaaagtcaa 660  
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<210> 18

<211> 992

<212> DNA

<213> Homo sapiens

<400> 18

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gcggtgggg accagcacca gggagtctct atggcaacct tagtgattat taaggaaacac 720  
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gtttgtttgt tttacctaata tacctgaaa ccaataccaa aggctgatgt ctgtatatgg 960  
ggcaaaaaaa aaaaaawawa aaaaaaaaaa aa 992

&lt;210&gt; 19

&lt;211&gt; 1795

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 19

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ctgaacatcc cttttatatt acccctggag aggcgagtc gtcccttccc acccctacct 120  
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tcttttttac tacatatttc ccaagttatc ttaagatgtc tgtaaattta acttttatta 1740  
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<210> 20

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (708)

<223> n equals a,t,g, or c

<400> 20

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tgtagacttc cttagttctt aagtgggtga attcgctgct tggtctgtaa cgttataaat 600  
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<210> 21

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (596)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<400> 21

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aaatgcttcc aagcatgaca acttttaaaag aaaaatatga tactctcaga ttttaagggg 180
gaaaactgtt ctctttaaaa tatttgtctt taaacagcaa ctacagaagt ggaagtgtt 240
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acaagaatga ataccttccc aaagttgaat aaatttttat ttataaaaact aaggttaaaa 420
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tcctatttat gtccatttta aatttaagga aaaaggggag aaaatttaaa actaanggn 600
caaaattttg gtttaaaaact ccanaatata catgttaaata cctctgcta 649
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<210> 22

<211> 1607

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (820)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (821)

<223> n equals a,t,g, or c

<400> 22

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cgggcccggac acaccagctg cgcgtgcaact gcagtcctctg ggccaccccg tgggtggcga 240
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<210> 23

<211> 578

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 23

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<222> (20)

<223> n equals a,t,g, or c

<220>



<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

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<211> 2680

<212> DNA

<213> Homo sapiens

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&lt;211&gt; 1859

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 26

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&lt;211&gt; 634

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

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<211> 2539

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (951)

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&lt;210&gt; 30

&lt;211&gt; 494

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 30

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ttgaagctga gtttattgag aatgggtttg ttacctgctg atagctatct ttttgtgttt 180  
agttcttttt gacttctttg gctctaatg ttttgacagt ggcacttaga tgcagtcag 240  
caattgcaac agtgaatgaa atcacacagc ttgagttcaa ggtggaaaga gaaaaaaatc 300  
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tcttgctctc gaccttaggg tgtaatgtgg ccctgctcct tgtatggtga ataacttgtg 420  
actgtgtgtt ttaccacatg gtttgrcagt tkacaaagca ctttgkakat atattgcaca 480  
ctctgcatcc ttac 494

&lt;210&gt; 31

&lt;211&gt; 1263

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 31

```
taaatgatgt tttgggtaag agtgggaccat gagaattagc tgacagcatc ccctttctct 60
ctccctgcct tgggtgggacc ctccctgtgtg accttggcaa gtctcgaaact tttgtccgta 120
tttaagatgg agctgtttta cctacttcat aagacagtgt cgagggtgcc ttgattcttg 180
actgcaaaat accttgaaac ccttatataa agactgaagk caacggagcc tagtgaaaqa 240
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attggagact tactggcatg gctctacagc tgctcagtta ttaatcatgc agactaacct 360
gtcaacactg ggagatgcaa catagcaaaa ggacagagaa attagaattt tttgtgcaga 420
aagccctaaa tcccacctg aatgtaactt acagctccct tacctactct cacacatgcc 480
ctcaaacatg ctagattggc ttatacatag gccaacacaa aatacaaacg tgacgtgttc 540
atgtagccta gtggctatat gcctattctc catgtaccct gcattgtagt gctgcaaaact 600
ttaaagtaca tttctttcac agcagtattt tttttcataa gtggcatata aatctcattc 660
aatgaaatgs ggaaatcacg ttgagaagtt ggtctgtcat ctccattga gcaaagactg 720
gcaggagata ataaaaataa atatgggcac acatgtatta atatacagca cgcatttaca 780
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gaagtctctc tcaagtaggc ccaagaaaca gttctagatt ttactaagtt ttattttgtc 960
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gggctaaata ttctttctgt aaagtcaaac aggattccat cccctgtgaa ataacacaaa 1080
atttcaactc taaaagcaa cagcatgtaa actagaatga aagaaggaaa ttatgtacgt 1140
atgcctaata ttctttgtga atgtctttca ttttaactaaa atttatattag aaaccagatt 1200
gataataaaa aaattcaaag tagttttaat tatcctaaaa aaaaaaaaaa aaaaaaaagt 1260
ttt 1263
```

&lt;210&gt; 32

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (337)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 32

```
ggcacgaggc aaaaatgaaa acaaggcagc agcatcagac ctatcttttag attgtttttt 60
ttttctctct cttttacaag tgtcagttta attccagagc cctggcccag tattttctga 120
tgattttctc cccaaggaag agaaggaaat ccctgctggt tacacagctg cgatgtcaga 180
cttcctctga aacatgcact gttgctgcct attagcataa cttcagctctc tcattctctc 240
ctgactgatt agtgcctctg aggcagttta aaaaacatac tttggagggg ccgggcgtgg 300
tggctcacgc ctataatccc agcacttttg gaggctn 337
```

&lt;210&gt; 33

&lt;211&gt; 1742

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1576)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1578)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1621)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1724)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1733)  
<223> n equals a,t,g, or c

<400> 33

gtgggggna ggggganaag gccaaactg gggwagaatt ttaaagattc aacactgggtg 60  
tacatatgtc cgctgggtga gttgacctgt ggcctcgac agtgattctg ggccctttat 120  
gcttgctgtc tctcagaatt gttttcttac cttttaatgt aatgacgagt gtgcttcagt 180  
ttgttttagca aaacctctct cttgaatcac gttaactttt gagattaaaa aaaaaaacgc 240  
catagcacag ctgtctttat gcaagcaaga gcacatctac tccagcatga tctgtcatct 300  
aaagacttga aaacaaaaaa cagttactta tagtcaatgg gtaagcagag tctgaattta 360  
tactaatcaa gacaaacctt tgaaaggtta cactaagtac agaactttta aaccttgctt 420  
tgtatgagtt gtactttttg aacataagct gcacttttat tttctaagtc agaggatgaa 480  
taagttaaat acatgctttg aggatagaag cagatgttct gtttggcacc acgttataat 540  
ctgcttattt tacaatatac acgtttccct aagaaatcat ggcagagatg tgagggcaga 600  
atatacacia cagatgctga aggagaagga gggtagtggt ttgcaaaaaga aaaagaaaag 660  
aaccaacaga attttaactc tattaacttt tccaaatttt cctatgcttt tagttaacat 720  
cattattgta tcctaagtc actaggggag agagcttttg actctgttgg gttttatttg 780  
aatgtgtgca taacagtaat gagatctgga aacacctatt ttttggggaa aaagggtttgt 840  
tggtctcctt cctgtgttcc tacraaactc ccactctcag gtgcaagagt tatgtagaag 900  
gaaagggagc tgaaatagga acagaaaaat caaccctat aactagtga caccaagggga 960  
aaataccaca atgatttcag aggagactct gcaaaatcgt cccttggtga gaatgcaggc 1020  
aacatggaat actacgaatg aaatcacatc actgtatctt ttacatcaat agcctcacca 1080  
ctaatatatc ttgtatctag gtgtctataa tggctgaaac cactacatcc atctatgcca 1140



```

tttacctgaa aacttaactg tggcctttat gaggccagaa aagtgaactg agttttcgta 1200
gttaagacct caaatcaggg gagtcagcag tgatcatggg ggaaatgttt acattttttt 1260
tttcttcaga agtaacgctt tctgatgatt ttatctgata tttaaaacag ggagctatgg 1320
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caacgtagtt gtwattagta gttctataaa gagaactgct tttaacatta ggggactggg 1560
gagcagtgcca tggggntnaa aaagggaagt gttttctcac grggaaaaca tgytcaggga 1620
naawtaaagg aacactttct accyctgttt ccaggatttt tgaaacactt wtttttaaac 1680
ccaattttta atttcygtgt tcccaaaata ggttttttag gggncatctg ttncctcccc 1740
ta

```

<210> 34

<211> 1166

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (965)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1094)

<223> n equals a,t,g, or c

<400> 34

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ccggaatgaa aacaaacggc ggccgctgcc gagtccgggc actctgctgg tcgcggcggg 60
agtggcgtgg cgcagggatg gcacaaaaga aatatcttca agcaaaattg acccagtttt 120
taagggaaga caggattcaa ctttggaac ctccatatac agatgaaaat aaaaaagttg 180
gtttggcatt aaaggacctt gctaagcagt actctgacag actagaatgc tgtgaaaatg 240
aagtagaaaa ggtaatagaa gaaatacgtt gcaaggcaat tgagcgtgga acaggaaatg 300
acaattatag aacaacggga attgctacaa tcgagggtgtt tttaccacca agactaaaaa 360
aagataggaa aaacttggtg gagacccgat tgcacatcac tggcagagaa ctgagggtcca 420
aaatagctga aacctttgga cttcaagaaa attatatcaa aattgtcata aataagaagc 480
aactacaact agggaaaacc cttgaagaac aaggcgtggc tcacaatgtg aaagcgatgg 540
tgcttgaact aaaacaatct gaagaggacg cgaggaaaaa cttccagtta gaggaagagg 600
agcaaaatga ggccaaactc aaagaaaaac aaattcagag gaccaagaga ggactagaaa 660
tactggcaaa gagagcagca gagacagtgg tggatccaga aatgacaccg tacttagaca 720
tagctaacca gacaggcaga tcaatcagaa ttcccccatc agaaagaaaa gcccttatgt 780
tagctatggg atatcatgag aagggcagag ctttccctgaa aagaaaagaa tatggaatag 840
ccttgccatg tctgttgac gctgacaaat atttctgtga gtgttgacaga ragctgctgg 900
acacagtgga taactacgcc gtcctccagc tggatatagt gtggtgttam ttccgcctgg 960
aacanctgga atgccttgat gatgcagaaa aaaaattaaa cttggscag aaatgcttta 1020
aaaattgtta cggagaaaat cmtcagagac tgggtccacat aaaagtatgt tcctgggaat 1080

```

tcattcttatn ggcncgttga gtccatttct agcattttgtg tttatttctg ttaaagtatt 1140  
tgaactactg ccagaagggtg gatttt 1166

<210> 35

<211> 1049

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 35

gatgggtgcc cccggcngca ggaattcggc cagcaggntg gtgctggggc ttcttctcct 60  
gaaggggctg caagagggaa ggcttagcca tgctgtcctt gatcagaagg gtgatcagca 120  
ccgcgaaagc cccagggggc attggaccct acagtcaagc tgtattagtc gacaggacca 180  
tttacatttc aggacagata ggcattggacc cttcaagtgg acagcttgtg tcaggagggg 240  
tagcagaaga agctaaacaa gctcttaaaa acatgggtga aattctgaaa gctgcaggct 300  
gtgaattcac taactgtgtg aaaacaactg ttcttctggc tgacataaat gacttcaata 360  
ctgtcaatga aatctacaaa cagtatttca agagtaattt tcctgctaga gctgcttacc 420  
aagttgctgc tttacccaaa ggcagccgaa ttgaaattga agcagtagct atccaaggac 480  
cactgacaac ggcattcacta taagtgggcc cagtgtgtg tagtctggaa ttgttaacat 540  
tttaattttt acaattgatg taacatctta attaaccttt taattttcac aattgatgac 600  
agtgtgagtt tgatgaaaat atctgaagct attatggaaa taccatgtaa tagggagagt 660  
tgaacatgaa tattagagaa ggaatccagt tactttttta aattacaact gtgtgcacct 720  
gtattactga atataggaaa gagataccca ttacatagtt actcagttaa caaaagagaa 780  
ataccaggta ggaaagaaga gttactattc ctgagaaata atcaagaaca tatttaattt 840  
aaactaatga tgtgaactat ttagttttga tgtccgttat gtgattctgc ttttacttga 900  
gtaaaattaa agtgttttaa tttgagatca aggagaagat agtggaaaca aatgttatat 960  
agataatatt tttctaattg aaataaaata ggcagatttc aaaaaaaaaa aaaaaaaaaa 1020  
aaaaaaaaaa aaaaaaaaaa aaaactcga 1049

<210> 36

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<400> 36

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gtttgttgcc tgettgtttt aatgttcttg cttgaggcag cgagcccttg actatgccac 60
attgccagga ttttgtaggt tagattgtac tacagcactg cctttggctt gccagactct 120
ggagtcccca cattttcac cgtttctcag gaaaacactt tgaccactt gaagctctga 180
gctactgctt cacagcttcc tggggtcagt ctccagccaa aaccatagat atcccaamwg 240
cagccaaacc acggctcttg gcgaagggaac gattagggtt actstagggt tccacacctt 300
gatgctcctg gcctttaatt tgacaactct ggactgccag gttttcacag acngttggac 360
atggattcaa gattgggaat gtnangggat ggtttggcaa cagtgtttgc tttgagcagt 420
tttaaaattt ggccaggaga ttcattgtgag caagaaatgt tagataccag ttttttgggg 480
tcaaggggg 489
```

<210> 37

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (595)

<223> n equals a,t,g, or c

<400> 37

```
gactcccaga gtgctgggat ttcagggtgt agccactatg cccagccctaa tacgtggatt 60
tttaaagctt caggttcttg ttcagaagtt tcctgggtct cattaaaata atgaggcact 120
cagaattggt ctaataaaaa taacgaccat ttctttctac tccagtctct ttcacaaact 180
tcttagtgaa aatgacaagt gaggcccttc agtaggggca ttttcagtgg agataatagc 240
ggcagacctg agaccttggg ctaggtagtt tattctcatt tctgaacaga tgatgaattt 300
tctcagatga ccctaagaaa ttgttttacc aaaaacaaag tgatctattt gctttgggag 360
gaactccctt ccttttggtt ctcttccctt ccccccttcc cctgcggttg tagagcccgt 420
tctgtccggt cgtgggtctg tccagccatg atccgggagt cctagcttgc taatggamca 480
cctgagatgt tccttatggc tcaaggctwa aattgaagggt gggaaccacc tgaagcctcc 540
gtggggaggc cttgsgggag gttwggccta aargcattag gaagatacta gcttnagg 598
```

<210> 38

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<400> 38

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gtctttggga actcaaaaag ttatctgtgc attttcatcc ctccgtggcc ctttttgcaa 60
agaccatcct tcagggaaac tatattcagt attcagggga cccactgcag gatttcactc 120
taatgagatt tttggatcga tttgtatacc gaaatccaaa gcccataaaa ggcaaagaaa 180
acacagatag tgttgatgat cagccgaaaa gaaaacattt tattaaggat attcgtcatc 240
ttcctgtgaa cagtaaggag ttcccttgcaa aagaagaaaag ccaaatacca gtggatgaag 300
tgtttttcca caggtattat aaaaaagttg ctgttaaaga gaaacaaaaa cgggatgcag 360
atgaagaaaag tatagaagac gtggatgatg aagaatttga agagctgatt gacacatttg 420
aagatgataa ctgtttcagc tctggaaaagg atgatatgga ttttgctgga aacgtgaaaa 480
agagaacaaa aggagctaag gataacacat tagatgaaga ttcagaaggt agtgatgatg 540
aacttggtta cctggatgac gatgraagtt tctttaggga agtatggatg atggaagaat 600
ttgctggaag ttgatggaag atgggaggga acattycatg ggatgtgttt agatggatgg 660
aaagtggaga gtgtttccag aacttgggaag ttccactccc aaagtccagt accaaggaaa 720
agccnagagn aaaagggtag cagtggattt ttggaccttg gc 762
```

<210> 39

<211> 1958

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1835)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1885)

<223> n equals a,t,g, or c

<400> 39

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tcgagttttt tttttttttt ttctcgtgag cttaggccgc tggtttttgt gatttttgtc 60
tgattgcaat gtctggacgt ggtaagcaag gagggcaaac tcgcgccaaa gcgaaatccc 120
gctcttctcg cgctggtctc cagttcccgg tgggcccaggt gcaccgcctg ctccgtaaaag 180
gcaactacgc agagcggggt ggggcaggcg cgcgggtgta cctggcggcg gtgttagagt 240
acctgaccgc cgagatcctg gagctggccg gcaacgcggc tcgcgacaac aagaagactc 300
gcatcatccc gcgccacttg cagctggcca tccgcaacga cgaggagctc aacaaactgc 360
taggcccgggt gaccattgct cagggcggcg tcccttcctaa catccaggcc gtgcttctgc 420
ctaagaagac cgagagtcac cacaaggcca agggcaagtg atttgacagg tatctgagct 480
cccggaacgc ctatcaaac caaaggctct tttcagagcc cccctaccgt ttcaaaggaa 540
gagctaacct cactgcttgt aggtagaagg aaaaaaggca ctaaggttgc aaaagcttct 600
catttcagag agatgccagg atcctaagtg cctgccaaac ttaccaattc taaggaataa 660
gtggatggat ggcattactg attcctacat tactgattga ttctgcatcc gcaaattgtt 720
ttattaaaaa cattctacat catgtgtggg gagataagga ggataaaatg aagagaaaga 780
atattattga ggggaagttc ttctgaatac aaaatgtgtt taatttttta aataagtatt 840
acattcacag ggttcaaaact atttgaagta aagagattat atataaagaa tccatccctc 900
aacttaccca ggtggtcact tttcttttct ttgtgtatct gccagctatt cattcctgct 960
```

```
gatatcagtc aataatgaat gatacgtgtt ttcttcactt ttttcattct tgtcaggtag 1020
cagactgtgt agacttttct gcaacttgccc ttttcataac aatctatctt ggagaacttt 1080
ccctatgaga acatacagag ctctctgtac acagttgcat gtactgcatt atgcaaagtc 1140
attataattt atgtaacctg tccactgttg gtaggcactt gagttgtttt agtcttttgc 1200
tatcaaacag ttctgggatg attaaccttg atttactgca aaattgaaat tgcctctgcta 1260
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ctatgtgtaa tttcttaatt ttgaaataat tttatttgta atgtgcataa tcttatttaa 1560
tgtataatgt atacattgta atagaaacag atttcccaaa ttccagcctg gcatgaggta 1620
ataaaaggta atgcaaaggg araggaaagc atgtgtcatt aattttctgc ctaggacacc 1680
tccctgggta aattgccatt tcctttcttc cttgcataat gattaggaaa cacatcctcc 1740
tgacctgcct gccctctttt gcctactttt tcatctgcag tcaaggctcg gttttaagac 1800
tgactgttac ttttacaaat ctgtgtgtat tggtnggcta agggcctgta tgggtccact 1860
gctgtattcc caggggtccca gcatnggkgc ctggacgctg cckgggcaaa tagtagtcac 1920
ccgaggaaat gggctggatg gaatttcatt gagggcct 1958
```

<210> 40

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<400> 40

```
gcccangtct ccgcttnccc cgtcttgtac acccctaact cctgaggctc ctccgaatca 60
cgcganggaa agcggagaag ctcaagtggc cgccatgtca gaggccttatt tccgagtggg 120
gtcgggtgcs ctggggcctg aggagaactt tctttctttg gacgacatcc tgatgtccca 180
cgagaagctg ccggtgcgca cggagaccgc catgcctcgc cttggggcttt ctccctggag 240
cggagnaagg cgccgagact gacaacgcgg tcccacagac ttttatcgga cgttttcgcc 300
gcatcatgga ctctcacag aatgcttaca acgaagacac ttcagccctg ggtagccagg 360
ctagacgaga tggagagggg cttatttcaa acagggcaga aaggactgaa tgactttcac 420
```

tgttgggaga aggggcaggc ttctcagatc acagcttcca acctcggttca gaattaa 477

<210> 41

<211> 860

<212> DNA

<213> Homo sapiens

<400> 41

ggcgacgagc tcgtgccgaa tcggcactag tggaggatgg gcttctcgag ggttctctgc 60  
ttcactaact cccgagagaa ctcccacagg ctcttctctgc tggtgcaagc ttttgggggg 120  
gtggacgtgg ctgagttctc ctgcgcgtac gggcctggcc agaggaggat gatcctgaag 180  
cagtttgaac aggggaagat ccagctgctc atcagcacgg acgccaccgc gcgaggcwtc 240  
gacgtgcagg gtgtggagct ggtggtgaac tacgacgccc cccagtacct gagaacctac 300  
gtgcaccggg ttgggaggac agctcgcgct gggaaaactg gacaggcctt cacactgctc 360  
ctgaaagtgc aggagaggag attcctccga atgctaactg aagctggggc acctgagttg 420  
cagcggcacg agctctccag caagctgctg cagccgctgg ttctcggta cgaggaggcc 480  
ctgtcccagc tggaggagtc tgtcaaggaa gagcrcaagc agaggggcggc ctargctggg 540  
gctcaaaggc ccggagggac tkaacgctca ccacctgac cctycttyca gagcagtgtc 600  
gatcactgga tcctgtatgt gaggaaggaa atccccagt ggacacagcc ttctcccca 660  
agcacgtggt ctctgcgcca ggcagcccg ggcgtcagagc tcaagcacct gccccgactg 720  
gagacttcag ggcttgtcac ttccagagtg tggagggtcag gatggctgcg ggcaatgaag 780  
ccttagtaaa acggtgaaaa gtactccag acggacgcgg gcacctgtca tgcttttgc 840  
gagagttggg ggcattaacc 860

<210> 42

<211> 1131

<212> DNA

<213> Homo sapiens

<400> 42

aaactagtgg atcccccggg ctgcaggaat tcggcacgag cagcatcagc cttagaacaa 60  
gaaccttacc ttcaaggagc aagtgaagaa ctctgtgaag gatggaactt tcagatatca 120  
actatattaga gtccagaggg agccatggca ctagaaatag ttgataatga aatgagattt 180  
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<210> 43

<211> 1334  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1019)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1204)  
<223> n equals a,t,g, or c

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<210> 44  
<211> 2351  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (2324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2350)

<223> n equals a,t,g, or c

<400> 44

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agatcagttt gtttctttct gtgctggtaa c atgagcgt cgcacagaca tggtttcagg 2280
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ccaagcttan g 2351
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&lt;210&gt; 45

&lt;211&gt; 1587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 45

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tatttttttg tagagatggg gttgtccagg ctggtctcaa actcctgagc tcaagcaatg 180
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caaaaaaaca aaaaaaaaaa aaaaaaa 1587
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&lt;210&gt; 46

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (351)

<223> n equals a,t,g, or c

<400> 46

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<210> 47

<211> 1920

<212> DNA

<213> Homo sapiens

<400> 47

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gaacaaggag ttaaaagcaa tccatgtgac tcaagccttt cacatactga cagatgggtat 180
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<210> 48

<211> 319  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

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tgaaagtaag cacaagaaga aaaaaagcct tatctttgct ctagattttg caaaaggga 180  
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ggatanctgg gccttttngg 319

<210> 49  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 49  
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<210> 50  
<211> 652  
<212> DNA  
<213> Homo sapiens

<400> 50  
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tctttggcat ttatttggtt tttctacgtt ttcagtccca tttactccaa gactcactcc 180  
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cagtagctct gccgccttcc ccagagaggg ggtccagggg acatcctgga aggctggggc 600  
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<210> 51  
<211> 943  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (786)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (843)  
<223> n equals a,t,g, or c

<400> 51  
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caagtaatca ttcccaagca tccagtgtca acgrgacgga cgatgaaaag gcctctcacg 480  
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<210> 52  
<211> 832  
<212> DNA  
<213> Homo sapiens

<400> 52  
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gttacactgc ttgaatcctg tcagtcctat actggagtcg tgttaataca aaataatagt 420  
aataatccct ctgtttctta tgtttatgcc aacttcaaca aaaagaaact tgactaagag 480  
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cggtttgtga tgatgtgatt gggcctctaa gtgacaacat tgttccctgt atagagtga 780  
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<210> 53

<211> 1554

<212> DNA

<213> Homo sapiens

<400> 53

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ctcattttta ccagcagtc cagtgtcatt tttgaggcg tcgatatcaa gaatggaact 660  
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tgcgagagag ccaaaaaggc catgggctac cagccactag tgaccatgga tgatgctatg 1260  
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atcctttgaa tgagtttgc ctgagcctgt gactccttct gctaggcaga gagcgaccc 1440  
tactctttcc gtgacgatga gggcggaac aacagacatt tcttccttca tggaaactgga 1500  
tttgattttc ttgaagcagg cagcttcata ttataccgat ttgttctctg tcaa 1554

<210> 54

<211> 281

<212> DNA

<213> Homo sapiens

<400> 54

agctattttac aggtttttaag caaatgatta tgtctgtgtt tttaaaggat tatattctag 60  
atgcttcctg gaattacgct atttataact tataaatcta taatgtgtam tgaattaaaa 120  
acaagcttgg gaaacataaa ctcaagttag aaaatatggg tttgacataa aaccttaaat 180

atgttttcatt tgtttgcttg tttggcttgt ttgtttctaa cacaagttaa acctacatgt 240  
gagtcacctt tgggattgat gagtctagrg tttgaaacca g 281

<210> 55

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (770)

<223> n equals a,t,g, or c

<400> 55

gcgtcgaccg gagagctgtg tcaccatgtg ggtcggttgt cttcctcacc ctgtccgtga 60  
cgtggattgg tgagaggggc catgggtggg gggatgcagg agagggagcc agccctgact 120  
gtcaagctga ggctcttttc cccccaaccc agcacccag cccagacagg gagctgggct 180  
cttttctgtc tctcccagcc ccactccaag cccatrcccc cagccctcc atattgcaac 240  
agtctcact cccacaccag gtcccgcgtc cctccactt acscagarc tttctcccca 300  
ttgcccagcc aactccctgc tcccagctgc tttactaaag gggaagtcc tgggcatctc 360  
cgtgtttctc tttgtggggc tcaaaacctc caaggacctc tctcaatgcc attgggtcct 420  
tggaccgtat cactggtcca cctcctgagc ccctcaatcc tatcacagtc tactgacttt 480  
tcccattcag ctgtgagtgt ccaaccctat cccagagacc ttgatgcttg gcctcccaat 540  
cttgccctag gatacccaga tgccaaccag acacctcctt cttcctagcc aggtatctg 600  
gcctgagaca acaaatgggt ccctcagtct ggcaatggga ctctgagaac tcctcattcc 660  
ytgactctta gccccagact ctccattcag tggcccacat tttccttagg aaaaacatga 720  
gcatccccag ccacaactgc cagctctctg attccccaaa tctgcatccn tcttcaaaaac 780  
ctaaaaaaaa aagaaaaaaaa aagtcga 807

<210> 56

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<400> 56

gaccctctca caccaggtta cccagcaaat gaatatgctt ataggcgtgg aattgcagag 60  
gctgttggtc tgccaagtat tctgttcat ccaattggat actatgcatg cacagaagct 120  
cctagwaaaa atgggtggct cagcaccacc agatagcagc tggagaggaa gtctcaaaagt 180  
gccctacaat gttggacctg gctttactgg aaacttttct acacaaaaag tcaagatgca 240  
catccactct accaatgaag tgacaagaat ttacaatgtg ataggctactc tcagaggagc 300  
agtgaacca gacagatatg tcattctggg aggtcaccgg gactcatggg tgytggtgg 360  
tattgaccct cagagtggag cagctgttgt tcatgaaatt gtgaggagct ttggaacact 420  
gaaaaaggaa ggggtggagac ctagaagaac aattttgttt gcaagctggg atgcagaaga 480  
atgttggtctt cttggttcta ctgagtgggc agaggrgrat tcaagactcc ttcaagagcg 540  
tggcntgggc tttatattaa atgctgactc atctatagga aggaaactac actctgagga 600  
gttggattgt acaccgcttg atgtacagct tggtagacaa ccttaccaa gagctg 656

<210> 57  
<211> 794  
<212> DNA  
<213> Homo sapiens

<400> 57  
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gcagccccga gtaccggcag cggcgcgagc gcaacaacat cggcgtgcgc aagagccgcg 180  
acaaggccaa gcggcgcaac caggagatgc agcagaagtt ggtggagctg tcggctgaga 240  
acgagaagct gcaccagcgc gtggagcagc tcacgcggga cctggccggc ctccggcagt 300  
tcttcaagca gctgcccagc ccgcccttcc tgcccgccgc cgggacagca gactgccggt 360  
aacgcgcggc cggggcgggg gagactcagc aacgacccat acctcagacc cgacggcccg 420  
gagcggagcg cgccctgccc tggcgcgagc agagccggcg ggtgcccgtg gcagtttctt 480  
gggacatagg agcgcaaaga agctacagcc tggacttacc accactaaac tgcgagagaa 540  
gctaaacgtg tttattttcc cttaaattat ttttgtaatg gtagcttttt ctacatctta 600  
ctcctgttga tgcagctaag gtacatttgt aaaaagaaaa aaaaccagac ttttcagaca 660  
aaccctttgt attgtagata agaggaaaag actgagcatg ctcaactttt tatattaatt 720  
tttacagtat ttgtaagaat aaagcagcat ttgaaatcgc aaaaaaaaaa aaaaaaaaaa 780  
aaaaaaaaaa aaaa 794

<210> 58  
<211> 1155  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (443)  
<223> n equals a,t,g, or c

<400> 58  
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gatcagaagg ttgagatttt tgtagaagct tagaccagtg tgatagtagt gattggatca 120  
agacgtttgc aaaanggact aggcctcatag taacttcgcc tgataaaciaa cttgatgcag 180  
atgtttcccc caagcccact attttcttcc ttcrrattgct gaaacaaarc tccagaaggc 240  
tggaacatac ctttgtcttc ttgagaaatt tttccwgtat rttattaaga tacattggsa 300  
agaaaagaag agcaacacga ttctgggatc ccaggagggg gaacaccatg gaagactaac 360  
gacacataca tgaaatttag ctggttaacg gtgccagaaa agtcactgga caaagaacac 420  
agatgtatcg tncagacatg agnaataata aaaacggrgt tgatcaagaa attatctttc 480

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ctccaataaaa gacagatgtc atcacaatgg atcccaaaga caattgttca aaagatgcaa 540
atgatacact actgctgcag ctcacaaaca cctctgcata ttacatgtac ctccctcctgc 600
tcctcaagag tgtggtctat ttggccatca tcacctgctg tctgcttaga agaacggctt 660
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tcggttattg tccctagaag cgtcttctga ggatctagtt gggctttctt tctggggttg 780
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ctgcctggaa gcctttcatt ttacacgccc tgaagcagtc ttctttgcta gttgaattat 1080
gtggtgtgtt tttccgtaat aagcaaaata aatttaaaaa aatgaaaarw aaamaaaaaa 1140
aaaaaaaaaa aaaaaa
1155

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<210> 59

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<400> 59

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ggcacgagtg caggggtcaa cccttataaa tgcagtcaat gtgagaaatc cttcagtggg 60
aaattacgcc ttcttgtaca ccagagaatg cacacaagag agaaaccata tgaatgcagt 120
gagtgtggaa aagccttcat taggaattct caactcattg tacatcaaag aactcattca 180
ggagagaaac cctatgggtg ncaatgaatg tgggaaaacc ttctctcaaa aatcaattct 240
cagtrcacat cagagaacac atacaggaga gaagccttgt aagtgcactg aatgtgggaa 300
agccttttgt tggaagtac agctcattat gcatcagaga actcatgtag rtgacaaaca 360
ttgataattt tacgaaactc tgaaaagtgg attcacaaga gatagaaaca atcatatata 420
aagagaaact ctgtaatggg aatcatcttg tccntcttcc agaaaantca tantgaatag 480
aaactttatg ga
492

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<210> 60

<211> 1617



<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1592)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1595)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1617)

<223> n equals a,t,g, or c

<400> 60

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ggaggccctg cgagaggact gtgcggccca ggcacagcgg gcacagcggg cccaacagwt 60
gctgcagctg caggtgttcc agctgcacag gagaagcggc aattgcagga cgacttcgca 120
cagctgctgc aggagcgcga acagctggag cggcgctgcg ccaccttga gcgggacagc 180
gggagctcgg gccgaggett gaggagacca agtgggaggt gtgccagaaa tcaggcgaga 240
tctccctgct gaagcagcag ctgaaagagt ctcaggcaga gctggtgcag aagggcagcg 300
agctggtggc tctgcgggtg gcgctgcggg aggcccgctg tacgctgcgg gtcagtgagg 360
gccgtgcgcg ggggtctacag gaggccgccc gagctcggga gctgcagctg gaagcctggt 420
cccaggagct gcagcgacac cgccaggaag ctgagcagct gcggcagaaa gctggggcagt 480
tggatgctga ggcggccgga ctccgggagc cccctgtgcc acctcccacc gctgacccat 540
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gcttgccggg ccaggtggag cgattgcggg tggagctgca gcggcagcgg cggcggggtg 660
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tgatccgcta ccagaagcag ctgcagcaca actacatcca gatgtaccgg cgcaaccggc 780
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tttcacactg taaatttctt gtacaaaccc aaagaaaaaa ttaaaaaaaa tttttttgtt 1560
taaaaaaaaa aaaaaaaaaa aaaaaaaaaa cncgnggggg ggcccgggtac ccaattn 1617
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<210> 61  
<211> 1653  
<212> DNA  
<213> Homo sapiens

<400> 61  
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tgggtgaaga ggggaatcat tagcattctg ggcgttttta tattaaatgt ttgtggaata 180  
tgccagaaga tctgccttca acttgtaatt aggcaagata gtaaygcttg atggtaactt 240  
ctatgtttgt gtagaaataa taccagttag ttttggaag ccattcagat ccattcaaaa 300  
attccataaa gtatgatgta tgctttggaa gagggatatg agtgatacaa ttgttatata 360  
aatggaatag acaaaccatt tgaatgcatt tttctagggc aaacattttt tgagattttt 420  
gagttaagaa gatttttcgg cttgagcaga agatgtgttt gttttgcatt tttcagctcc 480  
aaggaaatag ccccatggc tttaaaaggc cctgaagttc agatagtagt aggtagtggt 540  
ttgttattgt tttaatttga gagttgcagg aataatgggc agagctgtca tttgccggt 600  
ckaccatctg cctacataga attattggac tgtaagctaa aacagactgt aaaagaccta 660  
cttgctaaag cattgcttat tcagtgggtat tcagtagata agatctattt cctgatata 720  
tgtgctcaag ttatttgcac atcttaagaa acttttaata tctaaaacca ttgttgtaag 780  
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gtttactatg tgccaagcaa gcatatgata actaattctt aacaactcta tgaggcaggg 900  
tcatttatta tcctgttgct atatgaggaa atctcgccag agagaagtta attaacctgc 960  
ccaaggtcgt atagttagta aagtggcat gcttggttt taacctaggc agattacttc 1020  
agagtcagcg tctgccttac tatcctgttt cctgagcagg aatttccct tgtgtcaggc 1080  
aacactaggt gttaggagt gaggtgtgca gatgttgctt tacattctgt tttcctgatg 1140  
tggtgtgctt cctaagagta caaacctgag catatgtcca ggcttgcaaa gtctcaggca 1200  
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tcataaatat gtgtgtgtg ctatataaaa ctatttctta ttgtggatat tgaagtttga 1500  
agcctgttgt tcatctatag atgcactgga tgggattgga agtcttcaga tttcagtagg 1560  
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gatgaaaaat gttcttctat ttatatgatc cca 1653

<210> 62  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<400> 62

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atctctgctc ccaaaccattc accatatgag actgtagacc taataaaaaat aaacataaga 180
ttatgagaat aaaatatcaa taaatatttt atactatctt gcagtgggat aggaattgtc 240
tcactcctgc tgggggtgact ccccatgaac ccaggggctc ttcagttcca aagrggaaaa 300
aggggaacag atggcctcct ccccttcctc actcccttgg gaccaggat tgctccctga 360
aggttttcga gccaccctcc ttcccatctc tcttgggggg ccaaggangn ttaaacagca 420
gggcccttcc ngtgttgccc 440
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<210> 63

<211> 1062

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (948)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (974)

<223> n equals a,t,g, or c

<400> 63

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cacaggtgca gcctcacaga agaaggcttt ccgttcttca ggatttggac tagagttcaa 180
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ggagggcaga tcttggtaca cccccacag aggacgactt tggatagcag ccacagctaa 360
aaaaccctcc cctcaagaag tctcagaact ccaggctaca tatcgtcttc ttcgtgggaa 420
agatgtggaa tttcctaata actatccgtc agttgtcttc tgggctgtgt ggacctaat 480
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tctccatttg ttttcatctg caaaaatcct caggaaatgg ttgtgaagtt tctattaaa 600
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atgaagcaga ataaagctgt ctgaccagg agaaaaggaa ctatacagca tagtggagtt 720
ttgtgtacta aaattgctat ctactgggtc tttggaattg aagtagtaga aacctaaagg 780
cttggcgta ggcttgaata tctcagaact taaactctta ccaaaatctg tatatttttc 840
ttaaggagt ggattcctac tttatgtaat ggggtcgaaa tctttgaaca cattatttat 900
aaaaacctgt ttaaaagggtc gacgggtatc ataagcttgg atatcgantt cggcacgagc 960
ccacctctac ctctgggggg accggcctgg acgctggtgg ccccgggacc cagcagagct 1020
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<210> 64

<211> 422  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<400> 64  
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atccccagc atctccctgc tagctgctgt tccctctcct cccgctggct gggcctgctg 180  
ccaagctgtg gtgactcagc tgagctggca cattgacccc agcttattgt ttaaaaacca 240  
gcccgactgg gnaatttatg gtttcctatc ccctccaca catttttctg gccacaagcc 300  
aagaaactta tctctggcat cttcagattt cttstatttw attttgggnc ttcccttgcc 360  
tggcaatatg tttcatagag tgggtaagtg agacctgaca ggtgttttca aggataattt 420  
ca 422

<210> 65  
<211> 709  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (674)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (684)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (692)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (697)  
<223> n equals a,t,g, or c

<400> 65  
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agaaaattgt tagttcaggg attgtagctt ttttttgggt ttaacatgag atatgtgatt 240
ataataaact tcaagtattc aggaccattt tatggataaa aggagaatct aactttttaa 300
agttgggaaa atgatttaat attggaaact caagagttac aaattcttac agttatttca 360
aaactaaagg tttctttaga gctccaaatt tagagctata aatcctatat ccgtaatcaa 420
atccagttact gataacaatg aacaattgct gaagagtaat attctctctc tctttaccaa 480
tgtaagcctt agcattggta ctttcttgwa wtatcttttt gcatgccatt atgatcagaa 540
aaaacaaaaa gctaccaga aagggcagcc acattctaaa tgataggctt ttacctccct 600
gagggggctg ctaggtacct acctggatta ggaattcatt tggtaaaca cagggggcct 660
tttaaatcta aatnaccatt tccnaataat tngtttnccg tttattccg 709
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&lt;210&gt; 66

&lt;211&gt; 1302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 66

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ccaggaaaaa tggatctatg ttcacaaagg aagtactama gagcgccatg gatattgcac 120
cctggggrra gctttcaaca gactggactt ctcaactgcm attctggatt ccagaagatt 180
taactacgtg gtccggctgt tggagctgat agcaaaagtc cagctcacat ccctgagtgg 240
catcgcccaa aagaacttca tgaatatttt ggaaaaagtg gtactgaaag tccttgaaga 300
ccagcaaaac attagactaa taagggaact actccagacc ctctacacat ccttatgtac 360
actggtccaa agagtcggca agtctgtgct ggtcgggaac attaacatgt ggggtgatcg 420
gatggagacg attctccact ggcagcagca gctgaacaac attcagatca ccaggcctgc 480
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gctgagcgac gggcgggacc tggtcagcct gggccagctg cccccgacct gcacgtgctc 600
agcgaagacc ggctgctgtg gaagaaactc tgccagtacc acttctccga gcggcagatc 660
cgcaaacgat taattctgtc agacaaaggg cagctggatt ggaagaagat gtatttcaaa 720
cttgctccgat gttacccaag gaaagagcag tatggagata cccttcagct ctgcaaacac 780
tgtcacatcc tttcctggaa gggcactgac catccgtgca ctgccataaa cccagagagc 840
tgctccggtt cactttcacc ccaggacttt atcaacttgt tcaagttctg aatcccagca 900
catgacaaca cttcagaagg gtccccctgc tgactggaga gctgggaata tggcatttgg 960
acacttcatt tgtaaatagt gtacatttta aacattggct cgaaacttca gagataagtc 1020
atggagagga cattggaggg gagaaatgca gttgctgact ggggaatttaa gaatgtgaac 1080
ttctcactag aattgggtatg gaaaagcaaa atactgtaaa taaacttttt ttctaacaat 1140
ttgccagcaa gactataagg gcaataattc tatttcagcg gtgaaaatgg agtcctctta 1200
atggtcacag aaactctctt atagtccct aggaagaaaa aggcaaaact caaatacaaa 1260
ataggacgct ttgtttacaa tgtgaaaatt tgtttagaaa ag 1302
```

&lt;210&gt; 67

&lt;211&gt; 1046

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 67

```
aattcggcac gagcttctgt tgggtgttatt ttcaattcta tttccagtgc cacaatagag 60
tgatatttaa gcaactccta caggcgaagg ccctgcagtt cctccagatt gacagttgca 120
gactgggcag tgtcaatgag aacctctcag tattgctgat ggccaaaaag tttgaaattc 180
ctgtttgccc ccatgctggt ggagttggcc tctgtgaact ggtgcagcac ctgattatat 240
```

ttgactacat atcagtttct gcaagccttg aaaatagggg gtgtgagtat gttgaccacc 300  
tgcattgagca tttcaagtat cccgtgatga tccagcgggc ttctacatg cctcccaagg 360  
atccccggcta ctcaacagaa atgaaggagg aatctgtaaa gaaacaccag tatccagatg 420  
gtgaagtttg gaagaaactc ctccctgctc aagaaaatta agtgctcagc cccaacaact 480  
tttttctttc tgaagtgaag gggcttaaaa tttcttgga atagttttac aaaaatggat 540  
ttaaaaaatc ctaccgatca agatgagttc agctagaagt cataccaccc tcaggaatca 600  
gctaagtaat tattacttga ttcttttagc aaatcaatgc acgttatcct acttaatcct 660  
taaataagtt tagatttaac taacccaaag tccaggagga tgttcttaca aaaatagcta 720  
tatcaagggc tggcacctag acattaaact gtaatttgaa aataagcaac atgttgcata 780  
acttggtgga ataattcctt gttctgttta acacttgta taaattagca gaataaaaaat 840  
agtcgtgcaa caccgggggt atctggtatg caacgaaggg raaaatattt cactgattaa 900  
ccccgaagtg gttttgcac tttccttgcc ttaattctaag catattatta gagaagtcac 960  
accatgctga agctaattgag ggcaaaatgg tagtccatag attattttta aataaccctt 1020  
taagggtata aaagttaaaa aaaaaa 1046

<210> 68

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 68

caagagaaga aattatgaaa gggcgtgaat accaagaggc aggttattgg gggccatctc 60  
agaggctgcc caacacaggc tactctttgg ccccgatga ttcatgttcc ttccaaatgc 120  
aaaatgcccc gtcccaagat ctccaaaagt cttatcccat tataggatta gctcagagtt 180  
cagaacctta tcatctaaag ttccagggtg aggttaaggct tttgggtgta gttattttat 240  
tacagctcct agcacacttc tagtggtata ctaatgcctc ttctgtatag ttcacttgga 300  
aataaatgat ntaggtactt tgatccatat ggagttctgt gtaggaagat caacctagat 360  
ctgatgttag ctggtaaaca ctgtagtgtt aaaaaggcac tgtnttatga tagctctttt 420  
tgacagtgac tgggattatg gggcaaatgg taaatggcat gcaattgaga tcagtattag 480  
gttattaatt gaactggaat c 501

<210> 69

<211> 581

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 69

```
aattcggcac gagggaaaaga aggccatgta ggggcttgct ttagtcatcc actgctaact 60
cattaactat taattcaagc aatatgtatt atagaaccgt tttgtgtagc attggaatat 120
tgtccatttt gtaagtcatt gtgaatgtnc ttaattatca gcttgaaggc atttttgtat 180
taaaagttga cattgaagaa cctaagtggg tgatgggatt tggggccagt agtgaaagta 240
tgtttcctct aaaatatttc cctaaacagt ggtatacatg gttattttat tatgagattt 300
gtatatgttc tgtgtttctc tgtgaacaat gtttcagtct ctctgtcacc atatgtaagg 360
ggaagtccac aaatatagac tacattgcac aaaactaaaa ttgttaatta caagaaaata 420
taggtgctta ccttttgaag gtttattaat acatatgggt gtcacaatac gtatatatga 480
taaagtgtgt acatatagc atgtttatgg tgtataaatt tttctatacc caaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggccccc a 581
```

&lt;210&gt; 70

&lt;211&gt; 1076

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (911)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 70

```
tccaaacaga gggagcagct atttaagggg agcaggagtg cagaacaaac ragacggcct 60
ggggatacaa ctctggagtc ctctgagaga gccaccaagg aggagcaggg gagcgacggc 120
cggggcagaa gttgagacca cccagcagag gagctaggcc agtccatctg catttgtcac 180
ccaagaactc ttaccatgaa gaccctccta ctgttggcag tgatcatgat ctttggccta 240
ctgcaggccc atgggaattt ggtgaatttc cacagaatga tcaagttgac gacaggaaaag 300
gaagccgcac tcagttatgg cttctacggc tgccactgtg gcgtgggtgg cagaggatcc 360
cccaaggatg caacggatcg ctgctgtgtc actcatgact gttgctacaa acgtctggag 420
aaacgtggat gtggcaccaa atttctgagc tacaagttta gcaactcggg gagcagaatc 480
acctgtgcaa aacaggactc ctgcagaagt caactgtgtg agtgtgataa ggctgtgcc 540
acctgttttg ctagaaacaa gacgacctac aataaaaaag accagtacta ttccaataaa 600
cactgcagag ggagcacccc tcgttgctga gtccctctt ccctggaaac cttccacca 660
gtgctgaatt tccctctctc ataccctccc tccctaccct aaccaagttc cttggccatg 720
cagaaagcat ccctcaccca tcctagaggc caggcaggag cccttctata cccaccaga 780
atgagacatc cagcagattt ccagccttct actgctctcc tccacctcaa ctccgtgctt 840
aaccaaagaa gctgtactcc ggggggtctc ttctgaataa agcaattagc aaatcawrwa 900
aaaaaaaaaa naaaaaagaa aaaaagtttt ggcctaaatg agtcgtatta cagttgacgc 960
ggccggcgaa tttagtagat ggtgtaattc gacccgagaa attccggaac cggaactctg 1020
aggggtgaca agtttcccca agagcggcgg attaaggctt gggcgacaaa agggcg 1076
```

&lt;210&gt; 71

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<400> 71

```
gcccacgcgt ccgaggaggg ccgcstttcc ggtctgggtc ccsgagagga ctgccttgct 60
cacctgtccc ctccggcgcgg ccccggggag ctcccgagag gccccmggga tcgctggccc 120
tccgaactcc acagcaatga gcaagttggg caagttcttt aaagggggcg gctcttctaa 180
gagccgagcc gctcccagtc cccaggaggg cctgggtccga ctccgggaga ctgaggagat 240
gctgggcaag aaacaagagt acctggaaaa tcgaatccag agagaaatcg ccctggccaa 300
gaagcamggc acgcagarta agcgagggat cwgmawaaa tagatgnttt gatgcaagag 360
atcacagagc aacagg                                     376
```

<210> 72

<211> 374

<212> DNA

<213> Homo sapiens

<400> 72

```
aattcgacsa gccagggcac cctgcccattg tatcccamgc agagggagca gaaccagcgg 60
tgtaactact gtgcttgaca cccagggcag gtcttttttt aactcaccga tcttccatgc 120
aacaaaattg ttttctgtga aaagcaggaa atgaataaca acagcgtagg tactccactt 180
caaatttccc aagaaattca gaagaattgt gaacaagttg ctggtttcac aatactgcaa 240
gacactgcaa gttattccaa gttcctacag gacaacgatg cacaattatt tacttactta 300
tgtttaataa tacctatcag tttgactttc atcctttggt gacattctaa taatttatgt 360
aaataattat tcag                                     374
```

<210> 73

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 73

```
aattcggcag agctgcattg tcttttaggg ccaatggact tggaggcata gagattttat 60
aactactgcc agaaccctaaa tattgccagt sggcctcttc tgctgctgtt gctagctgtc 120
ttcttctggg ggaaatgggt tgggttctaa atatgaatta acacagggct gtcttcgatg 180
aattcagcac aaaaatttct cagcaattga aactcggag ngaagtgtta ggcatttagt 240
gcagactcat agaatagcag gacagggagg gattttggatc tgggcaagca ggagatgggt 300
atgaacatct gtcttttgag acctgccgag gtggcaatga aggttagaggc ccctgtgttg 360
```



aggtctttat tcaagaggct gtggtccctt tgggacttaa catagcatcc nttagacag 419

<210> 74

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 74

gcaggcgact tgcgagctgg gaggcacttta aaacgctttg gattcccccg gcctgggtgg 60  
ggagagcgag ctgggtgccc cctagattcc ccgccccgc acctcatgag ccgaccctcg 120  
gtcccatgga gccnggcaat tatgccacct tggnatggag ccaaggatat cgaaggcttg 180  
ctgggagcgg gaggggggcg gaatctggtc gccactccc ctctgaccag ccacccagcg 240  
gcgcctacgc tgatgcctgc tgtcaactat gcccccttgg atctgc 286

<210> 75

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (623)

<223> n equals a,t,g, or c

<400> 75

```
aggtagaaaa gcgagcagcc gtcctttcac agcctcagaa agtgctcgct tcccttcggg 60
ggcttttcgcg aatccccgagg caatctcgna ggcggtatth gacctgtcca aagacgactt 120
gatacctcta taatgtaaca gaaaagggtca gaaaatatta agcaagtaga agtgtggagc 180
atattaagca agatgaacat ctcggggaagc agctgtggaa gccctaactc tgcagataca 240
tctagtgact ttaaggacct ttggacaaaa ctaaaagaat gtcattgatag agaagtacaa 300
ggtttacaag taaaagtaac caagctaaaa caggaacgaa tcttagatgc acaaagacta 360
gaagaattct tcacaaaaaa tcaacagctg agggaacagc agaaagtcct tcatgaaacc 420
attaaagtth tagaagatcg gttaagagca ggcttatgtg atcgctgtgc agtaactgaa 480
gaacatatgc ggaaaaaaca gcaagagtht gaaaatattc cggcagcaga ntcttaaaact 540
tattaccgaa cttatgaatg gaaaggatan tctaccggga ggaattaaaa gctttctgga 600
caactccgcc ggaattgnga tgntcaccgc ttc 633
```

<210> 76

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<400> 76

```
agcacaagtt caggaccagc ctgcgcaaca tagcaagatc cccatctnta caaaaaaat 60
aaacaattag ccagggcata gtggcatatg cccattgtcc catctactct ggaggctgag 120
gcggggaggtt cgaagtacac agaaccceca taaccatcc agctagccag gtagaaggcc 180
tccagggtccg acgttgcatc ccccagggtc tgatgctgtc tgcaatcttc atccctagge 240
agwagagcta aaaatg 256
```

<210> 77

<211> 694

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (668)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (673)

<223> n equals a,t,g, or c

<400> 77

```
agcagcaagg ccaagcatgc aagaktcacc atccaccctg gccatgatgc agggcctcct 60
ttgctggacc cgcagccctg caggacagag actggcagcg caccgtcatc gccatgaatg 120
ggatcgaagt aaagctctcg gtcaagttca acagcagggg gttcagcttg aagaggatgc 180
cgtcccgaaa acagacaggg gtcttcggag tcaagattgc tgtggtcacc aagagagaga 240
ggtccaaggt gccctacatc gtgcgccagt gcgtggagga gatcgagcgc cgaggcatgg 300
aggaggtggg catctaccgc gtgtccggtg tggccacgga catccaggca ctgaaggcag 360
ycttcgacgt caataacaag gacgtgtcgg tgatgatgag cgagatggac gtgaacgcc 420
tcgcaggcac gctgaagctg tacttccgtg agctgcccga gcccctcttc actgacgagt 480
tctaccccaa cttcgcagag ggcategctc tttcagaccc ggttgcaaag gagagctgca 540
tgctcaacct gctgctgtcc cttgccggag caaaccttgc ttcamctttc cttttccttt 600
ttggraccam ctgaaaaagg gttggcagag aaggagggca gttcattaag ttccttgcaa 660
aaaacttngc canggttttt ttggcccaa gggt 694
```

<210> 78

<211> 2562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2556)

<223> n equals a,t,g, or c

<400> 78

```
ggcacgagtg tagacgaagg ctccatatca ccccgagactc tttcagccat taagagagct 60
cttgacgatg acgangatgt aaaagtgtgt gctggggatg atgtgcagac gggaggggcca 120
ggagcagaag aaatgcgtat aaacagctcc accgagaaca gtgatgaagg acttaaaagt 180
agagatggaa aaggaatacc gtttactgca acacttgctg catctagtgt gaactctgca 240
gaggagcacg tagccagcac taatgagggg agagagccca cagactcagt tccaaaagaa 300
caaatgtcac ttgttcacgt ggggactgaa gcctttccga taagtgatga gtctatgatt 360
aaggacagaa aagatcggtt gcctctggag agtgcagtgg ttagacatag tgacgcacct 420
gggctcccga atggaaggga actgacaccg gcactctyca cttgtacaaa ttctgtgtca 480
aagaatgaaa cacatgctga agtgcttgag cagcagaacg aactttgccc atatgagagt 540
aaattcgatt cttctcttct ttcaagtgtg gatgaaacaa aatgtaaacc gaattctgct 600
tctgaagtca ttggccctgt cagtttgcaa gaaacaagta gcatagtaag tgtcccttca 660
gaggcagtag ataagtgtga aaatgtgggt tcatttaatg ctaaagagca tgagaatttt 720
ctggaaacca tccaagaaca gcagaccact gaactctgcag gccaggattt aatttccatt 780
ccaaaggccg tggaaccaat ggaaattgac tcggaagaaa gtgaatctga tggaagtttc 840
attgaagtgc aaagtgtgat tagtgatgag gaacttcaag cagaattccc tgaaacttcc 900
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gctgagtccg agagcctcct gagggacaac tctgagaggg acgacgtgga tgggtgagcca 1020
caggaagctg agaaagatgc ggaagattcg ctccatgaat ggcaagatat taatttggag 1080
gagttggaaa ctctggagag caacctotta gcacagcaga attcactgaa agctcaaaaa 1140
```

cagcagcaag aacggatcgc tgctactgtc accggacaga tgttcctgga aagccaggaa 1200  
ctcctgcgcc tgttcggcat tccctacatc caggctccca tgggaagcaga ggcgcagtgc 1260  
gcacccctgga cctgactgat cagacttccg gaaccatcac tgatgacagt gatatactggc 1320  
tgtttggagc ggcgcatgtc tatagaaact tttttaataa aaacaagttt gtagaatatt 1380  
atcaatatgt ggactttcac aatcaattgg gattggaccg gaataagtta ataaatttgg 1440  
cttatttggc tgggaagtgt tataccgarg aataccaact gtgggttgtg taaccgccat 1500  
ggaaattctc aatgaattcc ctgggcatgg cctggaacct ctctaaaaat tctcagaatg 1560  
gtggcatgaa gctcaaaaaa atccaaagat aagacctaat cctcatgaca ccaaagtga 1620  
aaaaaaatta cggacattgc aactcaccct tggttttctt aaccagctg ttgccgaggc 1680  
ctacctcaaa cccgtgggtg atgactcgaa gggatccttt ctgtggggga aacctgatct 1740  
cgacaaaatt agagaatttt gtcagcggta ttctggctgg aacagaacga agacagatga 1800  
atctctgttt cctgtattaa agcaactcga tgcccagcag acacagctcc gaattgattc 1860  
cttcttttaga ttagcacaaac aggagaaaga agatgctaaa cgtattaaga gccagagact 1920  
aaacagagct gtgacatgta tgctaaggaa agagaaagaa gcagcagcca gcgaaataga 1980  
agcagtttct gttgccatgg agaaagaatt tgagctactt gataaggcaa aacgaaaaac 2040  
ccagaagaga ggcataacaa ataccttaga agagtcacatc agcctgaaaa gaaagaggct 2100  
ttcagattct aaacgaaaga atacatgcgg tggatttttg ggggagacct gcctctcaga 2160  
atcatctgat ggatcttcaa gtgaasatgc tgaaagttca tctttaatga atgtacaaag 2220  
gagaacagct gcgaaagagc caaaaaccag tgcttcagat tcgcagaact cagtgaagga 2280  
agctcccgtg aagaatggag gtgcgaccac cagcagctct agtgatagtg atgacgatgg 2340  
agggaaagag aagatgggtc tcgtgaccgc cagatctgtg tttgggaaga aaagaaggaa 2400  
actaagacgt gcgaggggaa gaaaaaggaa aacctaatga aaaaatatgt atcctctata 2460  
attagttatg acagccattt gtaatgaatt tgtcgcaaag acgtaat.aaa attactggt 2520  
rgcacggtaa aaaaaaaaaa aaaaaaaaaa aaaaanaaac aa 2562

&lt;210&gt; 79

&lt;211&gt; 1610

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 79

aattcggcac agggaaacat tctggtaatt tgtagagatc tgttggcatc tctgcttcac 60  
aaactgaaaa aaatcatttg taagtcttgc taattacttt tcttggagaa gaaaaaaaat 120  
gctacagttg caaacaaatg tatagttttc aaaaagaagc aacttttttg ctccccagtt 180  
tattcttagt ttccagccca cgccttgcca tagsratagg catagtgatg gcctcaattc 240  
tttctctctt gcatccgtac cttttgctgt gtgactttgc agctcctctc attaaagagg 300  
cagagccccc tctcccacc ataggagcag gttttgagag taacagaatg aagtgaatat 360  
gacactgtgc cagttctaag accagccctc aaaggttcat gtgtttctgc ttgctttcac 420  
tgtatttgaa atgttgctgt gagaaagaca tctctgaaac agctgaatgg tcctaagaaa 480  
aggatgagag atgcagggag cagagctccc aactgaggcc agcctagatc acctaagagc 540  
caggccccca gtttactctc atgtgtaagc aataaatgct taccacagca ataccaccaa 600  
ggtttggtgt tggtttatat acagcattaa tgtggcaata ggtgcaatac accctgttaa 660  
acaaaccata cacatatgac tctaacccta atcataaatt gattcagttc gttcagttcc 720  
acaacgctgt ttctccaga atctcacaga tgacttacta aatccaacac aaatacacct 780  
cagactttct gtctagctcc caaccagtta aaagcaattc taaatatttt ttttcttagt 840  
cgtagtgcaa aagtatatcc tctccctttc tctatagttt tctctcattt tgtcttcaga 900  
cctagaagca tgagagccca gctgtcaaag tcatctagac ccccttcaga aggtcattaa 960  
atgtgtctat ttcacaggat tgcaagataa aatacagaat gccagttta atttgaactt 1020  
cggataaaca acaaatTTTT ttttagtata agcatatccc atacaatatt tgggatatrc 1080  
ttatatTTTT atattgttta tctgacgttc aagctractg ggcatcctgt attttcttta 1140  
gctaaatctg gcaactgtgc tatttcattg aaaacctgaa agtgtacaaa gaaggaagaa 1200

```

gcagaatctg ccatatgagt aatagaagtg agcaggccca ggactcccta agtcaagaaa 1260
ccaagaggcg tcattacgga aaagagtaac tcaccctgtg tgctccttgg tagttctccc 1320
tcagcgatgc ccccatgtta tgaatgggga aaagttcact gaagggttca tagtgaagaa 1380
actttttgga tgatttctgk tgggtgggtt tggatacctt caagggatca gaaaataata 1440
tacttaggaa attttggtaa tgtcatcatt actctctaca ttattattat gacgggttaca 1500
attgttaaatt ctaggtgggtg ggtatgtggg ttatattgta catgattttt aacttgtctg 1560
catgtttgaa attataataa agtcaataaa taaattattg agacactctt 1610

```

<210> 80

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (997)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1021)

<223> n equals a,t,g, or c

<400> 80

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cagacgggag gctacagtga tggccttggg ggaaattcac tgtacagtcc acataattta 120
aatgctaatag naggttgga ggacgcaaca actccatctt ctgtgacttc tcctacagaa 180
ggcccaggaa gtgtgcactc ggatacctct aactaatctc tggccacact tttccctgag 240
ctacatgcct tgataagtgc attcagagca ataggaggaa aaggaaagcg tttttgtagc 300
ccaccatcta cagctttact gtaaaacctt gtcttattcg agaacttggg aaatctgttt 360
tttaaggaat cataatcatt tgtatttata cttaaaaaca cacaatgtta aaaaaataa 420
agcactttat ccaattaggc caagatttaa cattgttgac agtcctgtag ctattttatc 480
ataatttatt atcaatattt tacattaatg gtttcacagt tgccaattac ttggccttaa 540
gggtaaaaag tacaatatac actaaacctc aaccgttaaa gcagatgcaa aaattcacct 600
cacctaaatt gaacttcttg catatttcca ttactgactt ggattgtctt tctttcatat 660
cactaatgga gttggaataa agagctgttt gcctatccct gttaatgatg gttgtgttta 720
agaatcttcc tcgtcacgtt tgtgttcaga tctcttatgt tataattaga tcagagactg 780
gtagcatcgt ttctctctct gaaagcacca gtgcccagag tctgctcggg aataaaatta 840
tgatccgaga ttgttctgag agacgaagat acttgctgct gatagagggtg aaaacgagat 900
tgatccgtct ggggttttac ggtgtgcact ggggtgctgca cagacttgct aagggttgcy 960
acgtccyckg ggcaactgma aaggcccgcc cccgggntgt tgtaaaaatg tagccaaaga 1020
ntatttaaac atcccaccaa ccaaacac 1048

```

<210> 81

<211> 1136

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1131)

<223> n equals a,t,g, or c

<400> 81

```
ccgactcctc cgaagccgat ccggacagcg gcacagagga gggagatttg ggacttccca 60
ggacagattg acttttttga ccctacattt gactatgaga tgatcttccg gggaacagga 120
gcactgatat ttgtcattga ctcacaggat gattacatgg aagccctggc caggctccac 180
ctcacggtga ccagggccta caaagtgaat actgacatca acttcgaggt gtttattcat 240
aaagtggatg gtctgtcaga tgaccacaaa attgaaaccc aaagagatat tcaccagagg 300
gcaaacgatg accttgcaga tgctggatta gaaaaaattc acctcagctt ttatctgaca 360
agcatatatg atcattcaat atttgaagct tttagcaaag ttgttcagaa actgattcca 420
caactcccaa ctctggagaa tttgctgaac atctttatct caaattctgg aattgaaaag 480
gcatttctat ttgatgtggt cagtaaaatt tatattgcaa ctgatagtac tccggtggat 540
atgcaaacct atgagctctg ctgtgatatg atagatgtgg ttattgacat ctcttgtatt 600
tatgggtctca aagaagatgg agcaggaacc ccctatgaca aggaatccac agccatcata 660
aagcttaata atacaaccgt gctttattta aaagaggatga caaagttcct ggctctcgtt 720
tgctttgtca gagaggaaaag ctttgaaaaga aaagggctaa ttgactataa ttttcattgc 780
ttccggaagg ccattcatga agtttttgag gtgagaatga aagtagtaaa atctcgaaaag 840
gttcagaatc ggctgcagaa gaaaaagaga gccacccta atgggacccc tagagtgtctg 900
ctgtaggatga ggtttcagga atgtcttttg aaatcagacc ttatccatga ggctgtctgcg 960
ccatgttgca ctaaagggaag aggaagaagg agattgggac acataccatt gatttgttgt 1020
taaaaaaaaa aaattcctgc aacctctctg atcttctctt ttataaataa agtaagcact 1080
ttgaagcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaangggggg ncccc 1136
```

<210> 82

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<400> 82

```
acagccaaca gggggagcag tgcgagcntg aaggcagaca gtggcctggc ccagtctgat 60
gggagagacc caccgacct gtggggctgg tccctacatc tggcgtctg acgtggggct 120
ctccctcgct gtgtgaagtt gcacctgag tgcgggatca gcggaggagt tcaacgagag 180
attcctgagg attgcagtct ataaacttgg tgcaggcggc tgaccccgca gctyaacaag 240
atcaagaggc tgataatcaa gccctcagc ccgaaactca ggctgtcag ggaaaag 297
```

<210> 83

&lt;211&gt; 2150

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 83

```
aattcggcag agctcacgag agaggatttg gcgcccctcct ctgtggattc tggccaggcc 60
gggttcggcg gttgctgtra gagcgggctt cccaacacca tgccgtccgc cttctctgtc 120
agctctttcc ccgtcagcat cccagccgtg ctcacgcaga cggactggac tgagccctgg 180
ctcatggggc tggccacctt ccacgcgctc tgcgtgcttc ctcacctgct tgtcctcccg 240
aagctacaga ctacagatcg ggcactttct gtgtctagtc atcttagtct actgtgctga 300
atacatcaat gaggcggctg cgatgaactg gagattatct tcgaaatacc agtatttcga 360
ctccaggggg atgttcattt ctatagtatt ttcagcccca ctgctgggtga atgccatgat 420
cattgtgggt atgtgggtat ggaagacttt gaatgtgatg actgacctga agaatgcaca 480
agagagaaga aaggaaaaga aaaggagaag gaaagaagac tgagggggcag cagctgcttg 540
gagtttgctg ccttcccgtc caccagtgct agctcccagt gctgcagtgt gcgtggcggtg 600
ggcatccttc cagctgactc atcgtttgaa aaaccggtgt tttatttaaa tatccacagt 660
ggtagggcac acactgaagt tgccttttcag ccagcactga atgtatccat caggacatgc 720
gtcttcaygt gcctgatctt tgtagtcagg ctgtgggaac ggtctctgca gagcttcata 780
actgggaatt tgatttgaag aagtccatgt catatgtgta actagtacta attataaata 840
taaaatacac aatataaaat atgaaactca ataataaaca gtgccacctg tacatgggca 900
ccatgccctc ctctcgtgc tgtgttttct agtgcctgcc acagttcgca gtagaggggtg 960
ttttcacctt ccaagacatg gggcaaaagt tggagacacc tgggtgtcac tggaggggggt 1020
ggtgctcctg gcttctcctg tggagcccg ggtgatgcat aaaatcctgt gtgcctgggt 1080
cagccgcctc acagacaatg acttgacatg aaatgtcagc tgtgctgggg gcagagagac 1140
cttggaagga agctcttgga aaatacgttg tatctcagtt tgatgaacca attcacaaga 1200
ggctaggccc tctctagcaa agttatgggc tgctttactg aaaacagaat ggaagccctg 1260
aagtcaacac tccatggaga agcgtgtcct tcctaattgtc ctggtgttct gttgatttag 1320
gtgcttgga acacaatgct cccagttctg ttaggacagg catactgtta ctttgcaata 1380
tccactttat aaaatagctc ctgcccagtg gctcttgrtt cctgtcaaata gtggacctgt 1440
agtttaagaa tgacagggtg ttagagaccc agatatttaa aaatagggtg tcaataaggg 1500
aatactgatt gtgcattgta tctggatagc atgcctaatt gtgcatttct gaaagttacc 1560
aattcaaaat gtaattggaa cagttatctt tgattagaca agcctgggaa gagaatgttg 1620
aggtgcagag ctcaccagcc aagttcatgc cctctcggg cctttgtggc tgagaagtgg 1680
gacagaaaaga tgattaaggt aatgtgtcct cctgtagca ttgtccaggg ccgttgtgta 1740
gatatttgac ttcactgaca gaaaagaaac cagggagttt gtagagactg tgcattttta 1800
gtataacatt ttcaccatct gatatgggtt ggctttgtgt cccacccaa attgcatctc 1860
aaattgtaat ccccatgtgt caaggagggg acctgatggg aggtgatggg atcatggggg 1920
tggtttcccc tatgttgta tcataataga gagggagttc tcacaagatc tgctggtttt 1980
aaagacagca gtttcccctg ctgtcactgt ctctctcctg ctgccttggt aagaagggtg 2040
ttgtttctcc ctctgccatg attgtaagtt tcccagctc cccggccatg tggaactgag 2100
tcaattaaac ttcttggtta taaagtaaaa aaaaaaaaaa aaaaactcga 2150
```

&lt;210&gt; 84

&lt;211&gt; 601

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 84

```
ttgtgtgcca ggggtggtcc ccagaaggag ctgatctgaa caggccggag agtaggaccg 60
gccgtnacac cccacacact ccagcctcgg cccactcct tgggctctta aggtcctgcc 120
tcaagaacca ctctctgagt cttagtgtat gtgtgtacaa aagaatgaaa gaagtctcta 180
gagctaaagg aaggagatyc gggctgggct gagaagcatc ttccaggatc acggscttcc 240
cgcgggacac accaagccca ttccggatct tgctcttccct gaccatggyt ggcaggytgt 300
ggaggaggas cggagagcag aagaaaggag tattcatcag gttccttatt gtgctgccac 360
tagatgccag gcatgtgctt aggcctgggg ggctgcaagg agaggaagac agcggccctg 420
ccctytgyta gcaggcagaa ccgagttytg gccacamtgt gaaggaaagg cagaagcctg 480
cgktggcary tggtttaagc tcagngggca gggaaaggga agaggagaat ggttttcacg 540
gagcagaagg ttgtgctcaa ggtggacctt ggagaataaa ggggagagct ccagggaaca 600
g                                                                                   601
```

&lt;210&gt; 85

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 85

```
cgcgtcgacg ttctctctaa ctctgcccag aaacrgctct cctcaacatg agagctgcac 60
ccctctctct ggccagggca gcaagcctta gccttggtct cttgtttctg ctttttttct 120
ggctagaccg aagtgtacta gccaaaggag tgaagtttgt gactttggtg ttccggcatg 180
gagaccgaag tccattgac acccttccca ctgaccccat aaaggaatcc tcatggccac 240
aaggatttgg ccaactcacc cagctgggca tggagcagca ttatgaactt ggagagtata 300
taagaaagag atatagaaaa ttcttgaatg agtcctataa acatgaacag gtttatattc 360
gaagcacaga cgttgaccgg actttgatga gtgctatgac aaacctggca gccctgtttc 420
ccccagaagg tgtcagcatc tggaaatccta tctactctg gcagcccatc ccggtgcaca 480
cagttcctct ttctgaagat cagttgctat acctgacctt tcaggaactg ccct      534
```

&lt;210&gt; 86

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 86

```
tgctgactca tctatagaag gaaactacac tctgagagtt gattgtacac cgctgatgta 60
cagcttggtg cacaacctaa caaaagagct gaaaagccct gatgaaggct ttgaaggcaa 120
atctctttat gaaagttgga ctaaaaaaag tccttcccca gagttcagtg gcatgccacg 180
gacaagcaaa ttgggatctg gaaatgattt tgaggtgttc ttccaacgac ttggaattgc 240
ttcaggcaga gcacggtata ctwaaaattg gggaaacaaa caaatcagc ggctatccac 300
tgtatcacag tgtctatgaa acatatgagt tgggtgaaaa gttttatgat ccaatgttta 360
aatatcacct cactgtggcc caggttcgag gagggatggt gtttgagcta gccaatcca 420
tagtgctccc ttttgattgt cgagattatg ctgtagtttt aagaaagtat gctgacaaaa 480
tctacagtat ttctatgaaa catccacagg aaatgaagac atacagtgtg tcatattgatt 540
cacttttttc tgcagtaaag aattttacag aaattgcttc caagttcagt gagagactcc 600
```



```

aggactttga caaaagcaac ccaatagtat taagaatgat gaatgatcaa ctcatgtttc 660
tggaagagac atttattgat ccattagggg taccagacag gcctttttat aggcattgtca 720
tctatgctcc aagcagccac aacaagtatg caggggagtc attcccagga atttatgatg 780
ctctgtttga tattgaaagc aaagtggacc ctccaaggc ctggggagaa gtgaagagac 840
agatttatgt tgcagccttc acagtgcagg cagctgcaga gactttgagt gaagtagcct 900
aagaggattc tttagagaat ccgtattgaa tttgtgtggt atgtcactca gaaagaatcg 960
taatgggtat attgataaat tttaaaattg gtatatattga aataaaagtg aatattatat 1020
atagttaaaa aaaaaaa 1037

```

<210> 87  
 <211> 597  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (29)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (582)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (586)  
 <223> n equals a,t,g, or c

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<400> 87
gcggccctac tactactaaa ttgcgggcnc gtcgacaagg agtcctgctt atcacaatga 60
atgttctcct gggcagcggt gtgatctttg ccaccttcgt gactttatgc aatgcatcat 120
gctatttcat acctaatgag ggagttccag gagattcaac caggaaatgc atggatctca 180
aaggaaacaa acacccaata aactcggagt ggcagactga caactgtgag acatgcactt 240
gctacgaaac agaaatttca tgttgcaccc ttgtttctac acctgtgggt tatgacaaag 300
acaactgcc aagaatcttc aagaaggagg actgcaagta tatcgtgggt gagaagaagg 360
acccaaaaaa gacctgttct gtcagtgaat ggataatcta atgtgcttct agtaggcaca 420
gggctcccag gccaggcctc attctcctct ggcctcta atgtcaatgat tgtgtagcca 480
tgcctatcag taaaaagatt tttgagcaaa maaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa angggnggcc gctctag 597

```

<210> 88  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

```

<400> 88
aatccttaac ctctgcatt ttagaaatac tccagagctt gtcttatctt taccaaaatt 60
cctgtaggcc tttgactcct gactcaccct gtctgcagtg tccccagcc tgcaggggtg 120
ggtgwgctac agcaaccctc agccaccagc tgttttccat ctgccggcct tcttggggga 180
gagtcccttc cagctgtagc cctgtctat gggaaaagtc tcatgtcctt ttcattctct 240

```

cccactgcac actgtctctc accctagact ataattcaag tgaatttgac ctccatttat 300  
tggaacaagcc aggsactgtg ctaggrataa tgwaaacccat tagacaaatc tgaaagggag 360  
ggatcactag actaaggggt agaaatgtgg agatgggagt aactttctgc atgtctttgc 420  
aggagggtggc atgtgagaaa gctttttgga agaggtggca cctggagctg tgga 474

<210> 89

<211> 1537

<212> DNA

<213> Homo sapiens

<400> 89

agactttgaa atcagaggaa ttccagaaga ggctgcaccc ttataaggat tttatagcta 60  
ccttgggaaa actttcagga ttacatggcc aggacctttt tggaaatttg agtaaagtct 120  
acgacctttt atattgtgag agtgttcaca atttcacttt accctcctgg gccactgagg 180  
acaccatgac taagttgaga gaattgtcag aattgtccct cctgtccctc tatggaattc 240  
acaagcagaa agagaaatct aggcaccaag ggggtgtcct ggtcaatgaa atcctcaatc 300  
acatgaagag agcaactcag ataccaagct acaaaaaact tatcatgtat tctgcgcagt 360  
acactactgt gagtggccta cagatggcgc tagatgttta caacggactc cttcctccct 420  
atgcttcttg ccacttgacg gaattgtact ttgagaaggg ggagtacttt gtggagatgt 480  
actaycggaa tgagacgcag cagagccgt atccctcat gctacctggc tgcagcccca 540  
gctgtcctct ggagaggttt gctgagctgg ttggccctgt gatccctcaa gactgggtcca 600  
cggagtgtat gaccacaaac agccatcaag gtactgagga cagtacagat tagtgtgcac 660  
agagatctct gtagaargag tagctgccct ttctcagggc agatgatgct ttgagaacat 720  
actttggcca ttacccccag ctttgaggaa aatgggcttt ggatgattat tttatgtttt 780  
agggaccccc aacctcaggc aattcctacc tcttcacctg accctgcccc cacttgccat 840  
aaaacttagc taagttttgt tttgtttttc agcgtaaatg taaaggggca gcagtgccaa 900  
aatataatca gagataaaagc ttaggtcaaaa gtcatagag ttcccatgaa ctatatgact 960  
ggccacacag gatcttttgt atttaaggat tctgagattt tgcttgagca ggattagata 1020  
aggctgttct ttaaatgtct gaaatggaac agatttcaaaa aaaaaacccc acaatctagg 1080  
gtgggaacaa ggaaggaaag atgtgaatag gctgatgggc aaaaaaccaa tttacccatc 1140  
agttccagcc ttctctcaag gagaggcaaa gaaaggagat acagtggaga catctggaaa 1200  
gttttctcca ctggaaaact gctactatct gtttttatat ttctgttaaa atatatgagg 1260  
ctacagaact aaaaattaaa acctctttgt gtcccttggt cctggaacat ttatgttcct 1320  
tttaaagaaa caaaaatcaa actttacaga aagatttgat gtatgtaata catatagcag 1380  
ctcttgaagt atatatatca tagcaataaa gtcactgat gagaacaagc tatttgggca 1440  
caacacatca ggaaagagag cmccacgtga wggagtttyt ctagaagcty cagtgataag 1500  
agatgttgac tctaaagttg atttaaggcc aggcattg 1537

<210> 90

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<400> 90

```
tgacaccatg cctgggtaatt ttttttaatt ttnattttca gtagagacaa ggttgcgcta 60
tggtgccccg gctgggatgg aactcctgtg cttagcggt cctcatgcct cggcttccca 120
aagtgtcgag gttgcagcta tgagccaccg caccagcct acattccttc ttatcaccga 180
gaaacagggt gatcttcaca ggtgtaatga gtatgaaggg agtgccataa agatattttt 240
tattttttat ttattttatt ttttaattaa tttttttttt tttgggatgg gngtcttgct 300
ctgg 304
```

<210> 91

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<400> 91

```
ggtagagatg ggggtctcgtc atgttgacca ggctgggtctc aatctnctgg tctcaggcca 60
tccttccacc tcattctccc caagaactgg gattacaggc atgagcaact gcacctgggc 120
catatgcttc ttatagttga agaagtgaag ggtcaatgac tttactaaaa tactattaaa 180
gtaataaagc taggacttag ccccaattat tcctccttaa agtccaatac tttcaatata 240
ttaagttgct ctttattata tgaattctaa atatcttttt taccttttgt tatctaattct 300
ggaaatccta tataaatgta taattttata catgctgact gatatccyct ctagtcttgc 360
tatactagg 369
```

<210> 92

<211> 315

<212> DNA

<213> Homo sapiens

<400> 92

```
gctttttacc ctctccaaac cttctaacc tagcttcatg aatttatgtt actcgccatg 60
agggctctct ataaatatat acatttgtaa cttctgttta atataaataa atcattcttc 120
atagcaagga ttctggcatc agttggagat tctttggatg gatgtgctcc catggagttt 180
ctattttaat gtactaacia cttatgactc gtctatctgt agtatcaatt atatccacta 240
tcacagtaac agtcaccact taatatgyat agratatctc attttaccac gcaattatgg 300
tatctctgat ttata 315
```

<210> 93

<211> 701

<212> DNA

<213> Homo sapiens

<400> 93

```
aacattacaa gggcttttat aaaaaaccct ttgttcatat ttcttccctt taaaatatgt 60
aatgtcaaaa atgactcacc ttttaaaaat tatgcatgaa aacagggtgg aaacattcag 120
taatacgcta tttctccaac atcaagacaa ctaaaacaaa tgataaaaat gtttattttt 180
```

acactccagc atatcggtg agtttttaggg atgtgtatga atattttaa attttaattt 240  
cagttttaat gaaagctgaa cttaataggg aaagctagct cttggttaact agcaatgac 300  
aggcattggt tgcctctgtc aggttttctt atctgtttta ggtacatttt ttcagattct 360  
gattgtttga gttaatgggt gaatttttaa agtttttagt tacttaaaat akgtatttaa 420  
attrcatatt aatttagaaa attcctgtgt ttacttatat tttaaattgt gaaatggatc 480  
caatcattag aacagagaga atagtctttt gaaactgaaa tacttttagt ttactgacct 540  
tgtgtaaaga taatatgaag aaccagcttc caaaagaaac cagcatatgg cactataaac 600  
tatttcattt gagcaccatt ctttaccatg gatataatga ttatgtatta tagtggagtg 660  
atcatacagk tcccccaaat gtgatggttc aagggaattt a 701

<210> 94

<211> 459

<212> DNA

<213> Homo sapiens

<400> 94

cgggcaactc tctggcatcc ttaatatctt tctatagaaa ttgtgatgaa aqaacagata 60  
agcctaagta aatctagcgt gtggagctcc tttaaaatgt gaagaccttg ccawctgggt 120  
aaaaataaaa cttggttttg tcctaaatat ccttgctggg cctattatac ataaaaaaag 180  
gggccacagc ccatttgcaa ggcttctgaa tgaactccat tcattctgta cttggaaatg 240  
tctcttcagc cacaaaaaga acaatagtta taacctaat tctttggtgc catatcagca 300  
gaagaagagc caagagacca ttatgaaaac tctagtaagt tctcttggtg attatataat 360  
gctgtawtca ttgatcatat tkctgtattt aaataagtac attttttaaa acatcataaa 420  
gtggatcagt aatgctgtaa tatcacattt catgtatta 459

<210> 95

<211> 2589

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1056)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2568)

<223> n equals a,t,g, or c

<400> 95

ggcacgaggg ctgccccttt gggttccagc cgggggtcacg tccagcctcc actgggaaac 60  
cagtactga ggcctggacc cagaggtgga ccaggcatct cctggccacc tgtgacctgg 120  
gaagaagcga gtcagtggcc cgttcaacct gctctgcagc tgctataaat agcctccctg 180  
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gagcgttact cagtgtaca gaggagatgc acacgtcccc actatgttct gtcttgagaa 300  
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<210> 96

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<400> 96

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catcgtggga ctgactttgg tggaagtcct tggttactta tcattaactg tgtttctgag 360
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accatcgtca cgttggactg antttcgggg aagcctt 457
```

<210> 97

<211> 516

<212> DNA

<213> Homo sapiens

<400> 97

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amaagctctc ctgccatctc caagcccact tttcag 516
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<210> 98

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<400> 98

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gttgcggaag ggccacgcgt ccccagtag gagaatgact ccgattcgtg accctcagcg 120
ccggtgcatg tcgatcttgg ccccagggc tgtgatgcag ccagccaggt ctcagggaga 180
gggaacccag aagcctggca tgcctggcaa aggagtcaag gaaacttttg agctatttac 240
agcttgtagc aattatgtaa agnatactcc nctgaacaaa atttggagca tgtttgttnc 300
tctctacctg attt                                     314

```

<210> 99

<211> 679

<212> DNA

<213> Homo sapiens

<400> 99

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ggtcgattaa agtgcggtac tgcgggattc arccgatttc cttcttcctc tgactgccc 180
gaaatatcag ccaaaggcca gcgttctaag gacatatgga attggctatg gataattcat 240
atgctttcaa tcaacgaagc acatgtaatg gaattccatc tgajaagaaa aacaacttcc 300
ttgtatcaga agatcatgga caaaaaatct taagtgtact acagaatttt agagaacaaa 360
atgtctttta tgatttcaaa ataattatga aagatgaaat aatcccgtgt catcgttgtg 420
tgtagcagc atgcagtgac tttttcaggg ctatgtttga agtaaaccatg aaagaaagag 480
atgatggaag tgttaccatt actaatttgt cctccaaggc agtaaaagca tttctcgatt 540
atgcctatac tggaaaaaca aaaataacag atgataatgt ggaaatgttc ttccagttgt 600
catcatttct tcaagtttcc ttcctatcca aagcttgcat tgacttttta ataaaaagta 660
ttaatcttga aaaaaaaaaa                                     679

```

<210> 100

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 100

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agccacgccc gcgcgccacc accatgctag gtaacaagcg actggggctg tccggactga 120
ccctcgccct gtccctgctc gtgtgcctgg gtgcgctggc cgaggcgta cccctccragc 180
cggacaaccc gggcgaggac gcaccagsgg agggacatgg ccagatacta ctcrgcgctg 240

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cgacactaca tcaacctcat caccaggcag agatatggaa aacgatcyag cccagagaca 300  
ctgattttcag acctcttgat gagagaaagc acagaaaatg ttcccagaac tcggccttgaa 360  
gaccctgcaa tgtggtgatg ggaaatgaga cttgctctct ggcccttttcc tattttcagc 420  
ccatatttca tcgtgtaaaa cgagaatcca cccatcctac caatgcatgc agccactgtg 480  
ctgaattctg caatgttttc ctttgtcatc attgtatata tgtgtgttta aataaagtat 540  
catgcattca aaaaaaaaaa aaaaawaaaa aaaaaaaaaa acnngggggg gggcccccgn 599

<210> 101

<211> 1189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<400> 101

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gcgggaggag ataagcaagg acctcagagc cactctgaac gccttcctgt accacatggg 120  
ccaacacagc aacaaattca tgctggtcct ggccagcaat ctgcctgagc agttcgactg 180  
tgccatcaac agccgcattg acgtgatggt ccacttcgac ctgccgcagc angaggagcg 240  
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tgtccagcag taccgacaga agatgcgctg gctgaaggcg gaggggcctg ggcgcggggt 540  
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<210> 102

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<400> 102

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aaggttcctg cactaaaaca tccggaaatc ctgccaacag tgcaagggaag ctgggttcagc 180  
aggtggccct aaggttkgag gttstaaatc catttcaatc tgttatgctg gtccatggcc 240  
ttgatattgg c 251

<210> 103

<211> 458

<212> DNA

<213> Homo sapiens

<400> 103

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acccccagag ccaaccctgg ggcccactag gaccccaaac acctgtgttt tcattctgcg 180  
tggcctcctg gttccctgga gttctttttt atgctgcctc tgggtgtgagg tcctcagcat 240  
ttaatttggt ctaagttaa aagctgcaag agcaaaacag aacccccaaa gcctggggcc 300  
cacagctgct gcggctgac agagatacga cccagagga ccacgtccac cargggcccg 360  
atggacagcc acctattttg tamtccttgt ttcaaaagca acaatagcaa ataacattcc 420  
aaaagttcta tgatragact tcaagacact aggattta 458

<210> 104

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 104

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tccactttcg gagctccagc gtcaratgc tcagccggag atgagatgca ccatccggct 180  
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tgaccacatc tgcaactact acagcctgct ggagaaggac tactttggca ttcgctatgt 300  
ggacccagag aagcaaaggc actgggcttg aacctaacaa gtccatcttc aagcaaatgn 360  
aaactcatcc accatacacc atgtgcttta gagtgaattt anccacatga acccttgaag 420  
attaaagaag actcacaag 439

<210> 105

<211> 233

<212> DNA

<213> Homo sapiens

<400> 105

tcccaaagtg tgggggattat aggcattgagc cactatgccc agcctacttt tgtttttaag 60  
aaattgaaac gatataaaaa agtacaaaaga acaacctaat aaacactcat attccccacca 120  
ctcagaatta tcaacttttt atcatttttat catatttgct tcagatcttt ttttttttta 180  
aagaaaagta taacagattt agctaaaagta ccctttgacc aataccccac ccc 233

<210> 106

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (704)

<223> n equals a,t,g, or c

<400> 106

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ggctccycggg aggctagaga tcatggaagg gaagtgggtg ctgtgtatgt tactgggtgt 180  
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cgatgatgaa attgccaaat atgatggaaa gtgggaggta gaggaatga aggagtcaaa 480  
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tttccaaaat ggaatagaat gtgggtggtgc ctatgtgaaa ctgctttcta aaacaccaga 660  
actyaamctg gatmakgtts agaggactat aaactgcctt catn 704

<210> 107

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<400> 107

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tgcagcgccc cagtggcttt gaaatgcaac agaaaccatc acccccggac catgggctcc 180  
atgccagtgg gcaaagcaca ggtgcgttca ctgagttccc agcacatagc tgtggcaggc 240  
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ctaccttact cagggacatg gtgccctcct ctctggttyc ctgccctgtg ccamcccccg 360  
scccctgcaa gcacagyctt tatgtgcaaa gccctgttaa gtgctggagg gattactgat 420  
ggcttngggg aagtggcaat gggat 445

<210> 108

<211> 592

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 108

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cctggctccc cagaccaaag accaacaccg cagggtgagt tcctcctctg ccaacagcaa 120
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acagtaatca gggcgacatg ggcaggggaa gcgatttttc tgaagctgtg cc 592
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&lt;210&gt; 109

&lt;211&gt; 381

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 109

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gtcattataa gagatatatg gggaggatat aaataccaga ataaaaagat aaaagagatg 120
aaaatagtag tctctgggga gctaaagtct aaaatacaaa ggtgtgaggc agaccttata 180
tactacttaa cttgtatact atttatagcc cagtattctg tttctagac ctgtccaggt 240
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acactgaaat cacctggggg aatcttttaa aaagtactga cgctgactc ccaccacaa 360
acagtctgat ttaattgggc a 381
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&lt;210&gt; 110

&lt;211&gt; 351

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (322)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 110

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<210> 111  
<211> 1583  
<212> DNA  
<213> Homo sapiens

<400> 111  
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gcctaccgat gttcacctg ctcaggaaat tcaccattcc acttacctta cttctggaaa 420  
ccatcatact tgggaagcag tattcaactca acatcatcct cagtgtcttt gccattatc 480  
tcggggcctt catagcagct ggggtctgacc ttgcttttaa cttagaaggc tatatttttg 540  
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aaaaaaaaaa aaaaaaactc tga 1583

<210> 112  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 112

```
ccggcagcta gagcagctac tgactctgtt tcagccatct tcgataaagg caaaaaggta 60
agggaaagtt tccaagcttt aggaagaatt attttttttc aagacgctgt cttccgtact 120
ttcgttatta aacatacggc tcaagtgatc accggtatag acagtgacat cagacatctt 180
tcattagccc tactcaaaaa tggcggcaac gtaatatcct gggccggagt cggttgtaac 240
ccggaagtgc ctttgtaaag gaggggtggt tagacaatcc ggaartggat ggaatgaaga 300
gatgccactt ggcgggcccat ggagctgtt agtatcggcg actccgggtm aaggcccgkt 360
csagttgcat taccatgggg cagcaccngg ttttaggggc agggacantt ttgttgttca 420
antgttgct g 431
```

<210> 113

<211> 2842

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2040)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2603)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2656)

<223> n equals a,t,g, or c

<400> 113

```
ggtggactcg gagtcgcga gcgtcgtcgg caagcggcgg cctttccacg gtactccgag 60
cactatgtcg tccccggcgt cgaccccgag ccgccggcgg agccggcgtg gaagggccac 120
ccccgcccag acgcctcggg gtgaggatgc caggctcatc cctctcaga gacgtagagg 180
cgaggattcc acctccacgg gggagttgca gccgatgcc aacctgcctg gagtggacct 240
gcagagccct gctgcgcagr rcgtgctgtt ttccagccct ccccaaatgc attcttcagc 300
tatccctctt gactttgatg ttagttcacc actgacatac ggcaactcca gctctcgggt 360
agagggcaacc ccaagaagtg gtgttagggg cacacctgtg agacagaggc ctgacctggg 420
ctctgcacag aagggcctgc aagtggatct gcagtctgac ggggcagcag cagaagatat 480
agtggcaagt gagcagctct taggccaaaa acttgtgatc tggggaacag atgtaaatgt 540
ggcagcatgc aaagaaaact ttcagagatt tcttcagcgt tttattgacc ctctggctaa 600
agaagaagaa aatgttgcca tagatattac tgaacctcta tacatgcaac gacttgggga 660
gattaatggt attggtgagc cttttttaa tgtgaactgt gaacacatca aatcatttga 720
caaaaatttg tacagacaac tcatctctta ccacaggaa gttattccaa cttttgacat 780
ggctgtcaat gaaatcttct ttgaccgtta ccttgactca atcttagaac atcagattca 840
agtaagacca ttcaacgcat tgaagactaa gaatatgaga aacctgaatc cagaagacat 900
tgaccagctc atcaccatca gcggcatggt gatcaggaca tcccagctga ttcccagat 960
```

gcaggaggcc ttcttccagt gccaaagtgtg tgcccacacg acccggttg agatggaccg 1020  
cgggcgcatt gcagagccca gtgtgtgagg gcgctgccac accaccaca gcatggcact 1080  
catccacaac cgctccctct tctctgacaa gcagatgatc aagcttcagg agtctccgga 1140  
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tgacaaggctc cagcctgggg acagagtga tgttacaggc atctatcgag ctgtgcctat 1260  
tcgagtcaat ccaagagtga gtaatgtgaa gtctgtctac aaaaccaca ttgatgtcat 1320  
tcattatcgg aaaacggatg caaaacgtct gcatggcctt gatgaagaag cagaacagaa 1380  
acttttttca gagaaacgtg tggaattgct taaggaaactt tccaggaaac cagacattta 1440  
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aattttgctt cagctctttg gcgggacaag gaaggatttt agtcacactg gaaggggcaa 1560  
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tgccgcggct aagtgaggaa gccagccagg ctctcatcga ggcttatgta gacatgagga 2220  
agattggcag tagccgggga atggtttctg cataccctcg acagctagag tcattaatcc 2280  
gcttagcaga agcccatgct aaagtaagat tgtctaaca agttgaagcc attgatgtgg 2340  
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gcatcgtgga catatctatt cttactacgg ggatgagtgc cacctctcgt aaacggaaag 2460  
aagaattagc tgaagcattg aaaaagctta ttttatctaa gggcaaaaca ccagctctaa 2520  
aataccagca actttttgaa gatattcggg gacaatctga catagcaatt actaaagata 2580  
tgtttgaaga agcactgcgt ccnctggcag wtgatgattt cctgacagtg actgggaaga 2640  
ccstgcgctt gctctngaag ccttgtagc aaggaaggct ccctgcatgt cctgcttgct 2700  
gcacgccaca tgggtgtggt ctgcctctca gttggccgcc atcagtgtaa atagagctta 2760  
aagtcatggt ttggctgcat aaaaattttc taacttgggt tcaatatttg tagtgaagta 2820  
tctgttttca ttttttcac gt 2842

&lt;210&gt; 114

&lt;211&gt; 268

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 114

attttgctgc tgggtgggtg ggctacagca ggctcttga gccacaccag ggcacgggag 60  
tggggtgcagg gaccgtcacc gcgccttcac acgcaccata gtgcccggct aattactctg 120  
cttttatgag ccaaggtgtt cccgaaagtg garccagcgc cagcgtctc yaaggtctcc 180  
atccccagcc ttcgtccctg cgggtgccaa aagccttgcg cgcattttgc atttgggaaa 240  
aaaagtctg aatgcgaacg tcacccca 268

&lt;210&gt; 115

&lt;211&gt; 800

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature  
<222> (673)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (794)  
<223> n equals a,t,g, or c

<400> 115  
gcgtcggggc ttccggaggcg tgcgggcttc ggaggcgtgc gggcttcgga ggcgwgcggg 60  
cttcggaagg gtgcgggctt cgggtgccat ggggactcct cccggcctgc agaccgactg 120  
cgaggcgctg ctcagccgct tccaggagac ggacagtgtg cgcttcgagg acttcacgga 180  
gctctggaga aacatgaagt tcgggactat cttctgtggc agaatgagaa atttagaaaa 240  
gaacatgttt acaaaagaag ctttagcttt ggcttggcga ttttttttac ctccatacac 300  
cttcagatc agagttggtg ctttgtatct gctatatgga ttatataata cccaactgtg 360  
tcaaccaaaa caaagatca gagttgccct gaaggattgg gatgaagttt taaaatttca 420  
gcaagattta gtaaatgcac agcattttga tgcagcttat attttttagga agctacgact 480  
agacagagca tttcacttta cagcaatgcc caaattgctg tcatatagga tgaagaaaaa 540  
aattcaccca gctgaagtta cagaagaatt taaggaccca agtgatcgtg tgatgaaact 600  
tatcacttct gatgkattar aggaaatgct gaatggatcat gatcattatc agaacatgaa 660  
catgtaattc agntgataaa gtccaagcca gataaggcct taacttgata aaggatgatt 720  
tttttgacaa tattaagaac atagttttg ggcattcagca gtggcccaaa gaccgaagaa 780  
tccatcctta agncaaaaac 800

<210> 116  
<211> 646  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (556)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (592)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (615)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (645)  
<223> n equals a,t,g, or c

<400> 116

aacaaaggca ttgccatcta caagaaggat ttcttcctgg tgcagaagct ggtgagctgg 60  
gctctgtttc agggcaaatg agggccagga gctgcctgtg tgactttggg gctccctctg 120  
ccagtgacca atccctctta aaaagcagtc aggtcaatgc tactgagtag cctcagagag 180  
aatttcctaa acaatacaag aaagagaaaag ataggctctt tttccctttt ggttctaagc 240  
atccttttct cacttcaggg tagggtggcc aagctctggg gtctcaatcc agaaggaggc 300  
ctaagtgggc atcagactta aaataggcag gaggaagatg cggaggaggg tggcaaktag 360  
aggtgagcca tccccagag gaagatgcag ggggagggca ccctggggtg aaggccactg 420  
agagccagca agtgccctgcg gactgacctg ggggcctctg ccacttcctt ttgaccacaga 480  
gttgcccttc agtaactcag ctgttcaagc ccacattccc taagatttat cttgtcctct 540  
ctcccatatt cttctnggaa aagcagatgc ttgtctaate ccaaggaatt gnattttttc 600  
cagccctgtt ttcanaaaat ctggggcctt ggggaaaaaa aattnt 646

<210> 117

<211> 1534

<212> DNA

<213> Homo sapiens

<400> 117

gcgacctcgg ccataagcgc ctgcgcagtc gcggggccgc cggccgtgct gttcccgcca 60  
attcctgtgg taatcettac cgtggcgagt tccgcgtca atggagacgt ttgacccac 120  
cgagctgccc gagctgctta aactttatta ccggaggctc tttccctact ctcagtacta 180  
tcgctggctc aactacgggt gagtgataaa gaattacttt caacaccgtg aattttcatt 240  
cacattgaaa gatgatattt acattcgcta ccaatccttc aacaaccaga gtgatctgga 300  
aaaggagatg cagaaaatga atccatacaa gattgatata ggcgagat attctcacag 360  
acccaatcaa cacaatacag tgaagctggg agctttccag gctcaggaaa aagaactggt 420  
atgtgacatt gacatgacag actatgacga tgtgaggaga tgttgtagtt ctgcagacat 480  
atgtcctaag tgctggaccc tcatgacaat ggccatacgc atcattgaca gagcattgaa 540  
ggaggacttt ggatttaagc atcgtctctg ggtatattct ggaaggagag gtgttcattg 600  
ttgggtctgt gatgaatcag ttagaaactg tcttctgcar tacgttcygg gatagttgag 660  
tatttgagcc ttgtaaaagg tggtcaagac gttaaaaaa aagttcacct aagtgaaaaa 720  
attcaccctt ttatcagaaa atctataaac ataataaaaa aatactttga agaatatgcy 780  
ttggttaatc aagatattct cgaaaataaa gaaagctggg ataagatttt agcccttgct 840  
ctgaaacaat tcatgatgaa cttcaacaaa gcttccaaaa gtctcacaat tcacttcagc 900  
gttgggagca cttgaagaaa gtagccagca gatatcagaa taacatcaaa aatgacaaat 960  
atggaccctg gctggagtg gagattatgc tccagtactg tttccacgg ctggatatca 1020  
atgtcagcaa aggaatcaat catctactga agagcccttt tagtggtcat cctaaaacag 1080  
gtcgcatttc tgtgcctatt gatttgacga aagtgagcca gtttgatcca tttactgttc 1140  
cgaccataag cttcatctgc cgtgaattgg atgccatttc cactaatgaa gaggaaaaag 1200  
aggagaatga agctgaatct gatgtcaaac atagaaccag agattataag aagaccagtc 1260  
tagcacctta tgtgaaagt tttgaacatt ttcttgaaaa tctggataaa tcccgaaaag 1320  
gagaacttct taagaagagt gatttacaaa aagatttctg aagacagagc tctcacaacc 1380  
attgtggata tcttctgcct tcaaccacag atcaataact tcaagagcca ttttaataaat 1440  
atggcagaac tatatatgtg tcttaaacct caaagtaaat tttccttgag aaataaaaaa 1500  
aaaaaaaaa aaaaaagtcg agactagttc tctc 1534

<210> 118

<211> 339

<212> DNA

<213> Homo sapiens

<220>



<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<400> 118

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tagatgaaga taatgaaaaa gaaaaaaggg actctttagg caatgaagaa tctgttgata 60
aaacagcatg tgaatgtgta aggagtccaa gggagtcttt ggatgacctg tttcaaatat 120
gttctccatg cgccattgca agtgggtcttc ggaanacctg gctgaattga caacattatg 180
tttgagagtg aatgtattga attctaagat caaaagcacc agtggracat gtgggaccac 240
actttgccaa cagtaactct cctgaaattc tgggcttgcc atttccctga aagaagtact 300
tttttcttcc ggaacttgga aaagagcgaa ggnagagta 339
```

<210> 119

<211> 665

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (656)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (665)

<223> n equals a,t,g, or c

<400> 119

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aaagagtgtc cctagttgta acagaaactg tcgatgcagg tttatttgga gaaggaattg 60
tggagagttt gattcatgca tgggagcatt tacttttaca gccaaagacc aaaggtgaaa 120
gtgctaattg tgaaaagtat gggaaagtta taccagcaag tgctgttata tttgggatgg 180
cagtagaatg tgcagagata agaagacatc atagagtggg tattaaggac attgctggta 240
tccatttgcc aacaaatgtg aaatttcaga gtccggctta ttcttctgta gatactgaag 300
aaacaattga accttataca actgaaaaga tgagtcgagt tcctggmggr tatttggett 360
tgacagagtg ctttgaaatt atgasagtag atttcaacaa ycttcaggaa ttaaaaagtc 420
ttgcaactaa raarcctggt aaaattggta ttctgttat taaagaaggc atattagatg 480
```

```

ctgttggtggt ttggtttgta ctccagcttg atgatgaaca tagtttatcc acaagtccta 540
atgaggaaac atgttgggaa caagctgtct accctgtaca tgacctgca gactaccgga 600
taaaacgtgg ggaccngtga tgatggaatg tcttgtccaa gattgttact taagantcca 660
gaatn
665

```

```

<210> 120
<211> 622
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (614)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

```

```

<400> 120
gagggctgcg ggaggcggga ggaaaaagtg gggccggggc tgagttgggc tgacctgtga 60
aagtctggga aggtctgcga gagaagcgga gtgttttcag ctccggaagt ggcagttgta 120
aacttcacct cccgggggct cttcccttct tgtacctt tgctgtttgt cccctcctc 180
ccgggtcctg gagtccgtcg tgttccaaca gtttttgctc ttattcccggt gggctgctgg 240
gcctcctttc acccgtgaga cttggarcgg ccctgggggc ttgggtgtca agcacggatc 300
acgcgagacc cctgagacct caaatcatct aacgtgaagc cacagacatc ttggcaattt 360
taatcatcaa gaaagaaata tgtcatatag aaatagcagg gtattttgaa agaagttgga 420
aaacatcatg aatttgaata ctttaagtaa tactgggtgat acccaaaggt tgaagattgc 480
ctcattggat gtaaaacaaa tacttaaaaa tgaaacagag ttggatatta ctggataatc 540
tcangaagaa actccattgg gctaaaaaag aaaagtntga aataccacca accccatgga 600
aancttgcaa gctntgaagn ca
622

```

```

<210> 121
<211> 889
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<400> 121

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ggctgaagcc atcccccttgg ctgatacagcc acatctgttg cagccaaatg ctagaaagga 60
ggatcttttt ggccgtccaa gtcaggggtct ttattcttca tctgccagta gtgggaaatg 120
ttaatggag gttacagtgg atagaaactg cctagagggt cttccaacaa aaatgtctta 180
tgctgccaat ctgaaaaatg taatgaacat gcaaaaccgg caaaaaaaag aaggggaaga 240
acagcccgtg ctgccagaag aaactgagag ttcaaaacca gggccatctg ctcagatct 300
tgctgcacaa ttaaaaagta gcttactagc agaaatagga cttactgaaa gtgaagggcc 360
acctctcaca tctttcaggc cacagtgtag ctttatggga atgggtatct cccatgatat 420
gctgctagga cgttggcgcc tttctttaga actgttcggc agggatttca tggaagatgt 480
tgagcagaaa cctggatcaa tcctaactga attgggtggt ttgaggtaa aagaatcaaa 540
attccgcaga gaaatggaaa aactgagaaa ccagcagtc aagagattgt cactagaggt 600
tgatcgggat cgagatcttc tcattcagca gactatgagg cagcttaaca atcactttgg 660
tcgaagatgt gctactacac caatggctgt acacagagta aaagtcacat ttaaggatga 720
gccaggarar ggagtggtg tagcacgaag tttttataca gccattgcmc aagcattttt 780
atcaaatgaa aaattgccma atctagagt tatccnaaa aaaaaatttn ggccccccca 840
aaaacccaaa aaaaaggggc caacccccaa ccaccaaagg gttttttaa 889
```

<210> 122

<211> 132

<212> DNA

<213> Homo sapiens

<400> 122

```
cttgagcccc tgagttgttg gggtaggggt aagagcatat cccacaagag gccccacagg 60
gagcagagac tgctttaatc cctgctgaca tcacggaaaa gcaacagagc cttttcaact 120
ttgtcactat gt 132
```

<210> 123

<211> 1900

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1879)

<223> n equals a,t,g, or c

<400> 123

```
gcggacgcnt gggaaacagc cgattggaga cgggagccaa ccagggctgc attggaggtt 60
gaaatcacia agattagaca ccttttttaga taggtgttct tcagcaccac tgacaacacg 120
gttctgacag tatttcatga caatggatgg tgacagttct acaacagatg cttctcaact 180
aggaatctct gcagactata ttggaggaag tcattatggt atacagcctc atgatgatac 240
tgaggacagc atgaatgata atgaagacac aaatggttca aaagaaagt tccagagaaca 300
agatatatat cttccaatag caaacgtggc taggataatg aaaaatgcca tacctcaaac 360
gggaaagatt gcaaaagatg ccaaagaatg tgttcaagaa tgtgtaagt agttcatcag 420
ttttataaca tctgaagcaa gtgaaaggtg ccatcaagag aaacggaaaa caatcaatgg 480
agaagatatt ctctttgcta tgtctacttt aggttttgac agttatgtgg aacctctgaa 540
attatacctt cagaaattca gagaggctat gaaaggagaa aagggaattg gtggagcagt 600
cacagctaca gatggactaa gtgaagagct tacagaggag gcatttacta accagttacc 660
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tcaacagatt tctgggtgtt agcaaattca gtttcatga tctgaagaaa tgatggaatg 780
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tggtgaaaaa atgtatcttt gtatattaat agctgtaatg tagcttcctg atgcttgact 900
aattgaggtg ttaattctga cttgagaatc tttttcatga atgattttta agaaaaattt 960
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cctgtatgca ttgtatattg caatttatta ctgtcagaga tttgtagaca gtttcttatt 1080
ttcatattga atcatgttac ttttgaatt caagtaagcg gctgggttaa ttcattatgt 1140
ttgccctttt aataaaatat aagggttagag ttcattttga atgcaagttg cctttattat 1200
aaatttgagt ttgtcttgggt tataccttgc atgataacct agctagattt ctagcatttg 1260
ctgtatttat taaaattatt attttttggg taaaacatta atagtttaag cagcatcatt 1320
tttttaaaaa atgtaattga ataagtgtga atgcagaagc aaatattgtc tgccctgtta 1380
aacttgggtg ccattaacag tgtttacact gttcatcgtg cctgttaatg tagttttagt 1440
taytggagct tttttaagac tagatttgggt tttaggttac atttttaaga atgtgggaat 1500
atattttaagt ttaatgtagt cctagtgtct ttgaaatggg gcccctttca tttggtacat 1560
gatttttttt caaatcatat cttcaagtac tatagtattc ttttacagaa gaggagtttt 1620
atagctctgat ggtaaatgtc ttcattttac ctttttaatt gaaatgtcaa gtttccctgtt 1680
acactatgga aaccaagaaa catcagacat cattgcgtgt acagaccttt tgcattgggtg 1740
agtggatgaa atggagaaca gaggtagtgc tgtgaacggg gtgaaataga agccaacttc 1800
tagtatgctg tcttcatctc tgcaataaac taaacgtaaa taawrwaaaa aaaaaaaaaa 1860
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1900
```

<210> 124

<211> 1250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (874)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

&lt;400&gt; 124

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ggcagcagga ggaaactaac gattccctgc ccacccccac acccagcacc accaacaggt 60
gggcaagctt gccgagaaaa cgcagagggc atcctgtgag cagcaaacac atctgagcct 120
ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180
ccagcctcca atccgacccc catttcgggt gcagcctcgg acctagctcc ggccctcgggt 240
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cccgggactc aggtccctgg ctttgggcgg agcgggggtc ctagccgctg ggtttctgct 420
ccgaccggaa cctgtacgag ctgccagtga acgacggagg ctgtatcccc cgagcgctga 480
gtacccagac ctccgaaagc acaacaactg catggccagt cacctgaccc cagcagtcta 540
tgcacggctc tgcgacaaga ccacacccac tggttggacg ctagatcagt gtatccagac 600
tggcgtggac aaccctggcc accccttcat caagactgtg ggcattgggtg ctggagatga 660
ggagacctat gaggtatttg ctgacctgtt tgacctgtg atccaagagc gacacaatgg 720
atatgacccc cggacaatga agcacaccac ggatctagat gccagtaaaa tccgttctgg 780
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ggatgcactg agtggcctga agggtgacct ggctggacgt tactataggg tcagtgaagt 960
gacagaggct gaacagcagc agcttattga tgaccacttt ctgtttgata agcctgtgtc 1020
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caacaatgag aagagcttcc tgatctgggt gaatgaggag gatcatacac gggatgatct 1140
catggagaag ggtggttaaca tgaagagant gtttgaaaga tctgccgagg cctcaaagag 1200
gtrgagagac tatgtagggg actaggtggg aggacataag gaaaaccaa 1250
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&lt;210&gt; 125

&lt;211&gt; 1189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1041)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1144)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 125

```
cttttttttaa ccttttaggt atctgatcgc tttgccaaatt ttgcgttact gggcaggcta 60
agagatcttc ttttaattca gcctgcttaa gacgggaact gataactga gtgtatcctc 120
tgccctttttt cttatctatt ggaggaagct cagatgggtg cacaagaagg atctgaagtg 180
gagcttctag tatccccagg agcgcgaagt gaacacggaa ggtacctgca ggatccaatt 240
gtgtccattg atctctcaga gtggctgagg ataataagat ttcttcttca aggtctcaag 300
gtctgaagca tcccacagaa tgatcctact gaataactcc cataagctgc tggccctata 360
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caaatccttg gccaggagca tccctgagtc cctgaagggtg tatggctctg tgtatcacat 420  
caatcacggg aacccttca acatggaggt gctgggtgat tccctggcctg aatatcagat 480  
ggttattatc cggcctcaaa agcaggagat gactgatgac atggattcat acacaaacgt 540  
atatcgtatg ttctccaaag agcctcaaaa atcagaagaa gttttgaaaa attgtgagat 600  
cgtaaactgg aaacagagac tccaaatcca aggtcttcaa gaaagttag gtgaggggat 660  
aagagtggct acattttcaa agtcagtga agtagagcat tcgagagcac tccctcttgg 720  
tacggaagat attctgaagc tcaatgcctc cagtaaaagc aagcttggaa gctgggctga 780  
gacaggccac ccagatgatg aatttgaaag tgaaactccc aactttaagt atgcccagct 840  
ggatgtctct tattctgggc tggtaaata caactggaag cgagggaaga atgagaggag 900  
cctgcattac atcaagcgt gcatagaaga cctgccagca gcctgtatgc tcggcccaga 960  
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gcatggaaaa ataccgaaga ncaggcaaca tgggcacgag tgatggtgcg atacatggaa 1080  
atatctgcgt cagaaggaat atttccattt ttacatctct gtgtgggaa ggaaantgaa 1140  
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<210> 126

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<400> 126

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cgggttgcaa ttaccctgaa gcccgaagac cctatggaac agaacgtagc tgagctgttg 120  
cagttcctgc tgggtgaagga tcagagcaag taccctatcc gggagtctga aatgcgggaa 180  
tatattgtta aagaatatcg caaccagttt cctgagatac tcaggcgagc agcagccac 240  
ctggagtgca tttttaggtt tgaattgaga gaacttgacc ctgaggcaca cacctacatt 300  
ctgttaaaca aactgggacc tgtgccctt gaaggggttag aagagagccc aaatgggcca 360  
aagatgggcc tccatgatgat gattctangc caaatattcc tgaatggcaa ccaagccaag 420  
gaggctga 428

<210> 127

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<400> 127

acgcggtcgg ccgggagccg gggaggagcg tggacgcgg cctggcaggt acccccgcga 60  
gaacgtggga gccggtgtat ttcagctgca tttattactg atctcgggct gcaccagggc 120  
actttagga ccgcactaaa aacagcggaa agtgaggagc caagcctggg tccggggcgg 180  
cccgcgtac agctggcctc acggattcca ctgcctgcgc ctgcagatga cttgttctgg 240  
agagtagaga atgtntcgg atttaaagta caatccggtt tcctttccat tcattatagt 300

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tgcctacact caacaaacaa aagttgggaa agataaaggg attattctag cgcgtcacat 360
tgacaaacac cgacgttaac acgctcagtc cagcctgact cacttgccctc aggtcagaga 420
ggtcaccact gacgacgccg ggccctcaag ccgatacctaa tccagcttgg ttctctcagc 480
ctcagccaga ccatccgttc ttgcctctgt cccaccacgt gcagggtgtaa gytccgccg 540
cacttcttgt ctgaatctgc caaggaagga aactggcatc tttcagctta aattcttttt 600
cacttgatca ggggtaggag tttaggcggg tttttttttt aagga 645
```

<210> 128

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<400> 128

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ctggagtctc aacgacgcgc acacgagaag taaggagcgg aaggtgggaa agggccggaa 60
aacacacgtt cctccgaaac cggtttgcaa gtccttgtag agagtgatag attcgtgtgg 120
cctttcfaat gattgtgaag tgggtgaaat ggatccaaaa taataagtga cttctctacc 180
aaagcataga agattcttca tatctccttc cagtggctca atttagattt tgggaargag 240
cagaacaagt gaaacacaga aaactgaaga gaagaaatcc tcattttgga cctatatattc 300
tccttgacta tttcttaata tccatcctac ccacgttctt aatgttttaa ctttgctctg 360
aattttataa tagtaaaggc caaagacata gaataacat ttagtagctt tataccaaga 420
aatttgctt gaaagctgct gtscgtggag gggaaagtgt agcaaattcc tggcnatttg 480
naattttaan ttattg 496
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<210> 129

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 129

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cccgtttagg accgggagac cgaacgcagc gwccagccgg ggagtttcgg cggcgttctc 120
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cgggcaccgc gcgcggaagc cagacgcagc ggggggacac atctcgcggt ggcgttgcca 180  
gagtgaggag ttagcaggca ggacttgacg aggcctcttg gttttctag tcctcaacca 240  
ctgaagaaga agcttgatgc ttggctgtca gaagacatga attacgcacg gttcatcacg 300  
gcagcgagcg cancagaaac ccttctccca tccggaccat gactgacata ttgagcagag 360  
gaccaaatac gatgatctcc ttggctgggt gcttaccaa tccaaacatg tttcctttta 420  
agac 424

<210> 130

<211> 1709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (881)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1028)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1061)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<400> 130

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aggctgcccc gcaggacagc sacagtsatg gggaggccct gggcggcaas ccgatgggtg 120  
carggttcca ggacgatgtg gacctcgaag accagccacg tgggagtccc ccgctgcctg 180  
caggccccgt cccagtcgaa gacatcactc tttcgagtga ggagggaagca gaagtggcag 240  
ctccccaaaa aggccctgcc ccagctcccc agcagtgtc agagccagag accaagtgg 300  
cctccatacc agcttcgaag ccacggaggg ggacagctcc cacgaggacc gcagcacccc 360  
cctggccagg cgggtgtctct gttcgcacag gtccggagaa gcgcagcagc accaggcccc 420  
ctgctgagat ggagccgggg aagggtgagc aggcctcctc gtcggagagt gaccccgagg 480  
gacccattgc tgcacaaatg ctgtccttcg tcatggatga ccccgacttt gagagcgagg 540  
gatcagacac acagcgcagg gcggatgact tccccgtgcg agatgacccc tccgatgtga 600  
ctgacgagga tgaggggccct gccgagccgc cccaccccc caagctccct ctccccgcct 660  
tcagactgaa gaatgactcg gacctcttcg ggctgggggt ggaggaggcc ggacccaagg 720  
agagcagtga ggaaggtaag gaggggcaaaa cccctctaa ggagaagaag aagaagaaga 780  
aaaaaggcaa agaggaagaa gaaaaagctg ccaagaagaa gagcaaacac aagaagagca 840  
aggacaagga ggagggcaag gaggagcggc gacggcggca ncagcggccc ccgcgcagca 900  
gggagaggac ggctgccgat gagctggagg ctttctctgg gggcggggcc cgggcggccg 960  
ccaccctggg ggtggcgact acgaggagct ctaggccggc gtgggcagtg gccgccctgg 1020  
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cgctgccccg tggctgccgt gtgcgcttct gagctggaag aggccgggca ttggtgggtcc 1140
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ggaggggaca gctggcttca gccaggctcg gtggacaccc tggccctctc ggggcagagc 1260
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accgaagcag catgtgaggc ctctcctggg agtggggggt gtgtttccca cagtggcctc 1560
agctgcgccc ccgctcaggt gagcccgaa gaggagccg ggaggcactc ctcccaaaca 1620
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aaaaagggcg ccgctcgca tctagaacc 1709
```

<210> 131

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (683)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (723)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (793)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<400> 131

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aggtctggag cgaattccag cctgcagggc tgataagcga ggcattagt agattgagag 120
agactttacc ccgccgtggg ggttggaggc cgcgcagtag agcagcagca caggcgccgg 180
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tcccgggagg cccgctctgc tcgcgcgcgag atgtggaatc tccttcacga aaccgactcg 240  
gctgtggcca cccgcgcgcg cccgcgctgg ctgtgcgctg gggcgctggg gctggcgggg 300  
ggcttctttc tctcggtt cctcttcggg tgggttataa aatcctccaa tgaagctact 360  
aacattactc caaagcataa tatgaaagca tttttggatg aattgaaagc tgagaacatc 420  
aagaagttct tatataattt tacacagata ccacatttag caggaacaga aaaaaacttt 480  
cagcttgcaa agcaaatcca atcccagtg gaaagaatttg gcctggattc tgttgagcta 540  
gcacattatg atgtcctggt gtcctaccca aataagactc atcccaacta catctcaata 600  
attaatgaag atggaaatga gattttcaac acatcattat ttgaaccacc tyctycagga 660  
tatgaaaatg gttcggtat tgnaccacct ttcagtgtt tctctcctca aggaatgcca 720  
gangggcgtc tagtgtatgn taactagcac gaactgaaga cttcttttaa ttggracggg 780  
acatgaaaat canttgctct ggggaaaatt gtnattgcca agatatggga aagttttcaa 840  
naggaaataa ggggttaaaaa tgccca 866

<210> 132

<211> 1593

<212> DNA

<213> Homo sapiens

<400> 132

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tctcaaaaaa aaataaataa ataaataaat aaaaccttaa tttgatgggt gttttatgtc 120  
tgccatttcc atttagattc aaagaatcct aagaataatg gtggagcaaa gcttattttt 180  
ctgttttttg aatcttgtaa ggcattggtgc caaacccaat gaaatgggtgc caaaaagtcc 240  
tgagctgga actagagcta gagtctaagg gttctgatcc ttagctccaa ggccttctca 300  
taaactcctt gacactttca cctcccaaca cagtcagtca gtctctgttt ttctgggttg 360  
gtttctatat aaaactttcc attttgagta atgatcttcc cctcttgctt ttctctctac 420  
atattccaat aaagaccttt tttgtcttca actcctgtca cttggattcc aggacttctt 480  
ccatccctca tgtttgttcc ttactttgcc agcctcgccc atttctgtat cccctgcct 540  
gggkttgctg ccttttatgc tctamctca ccaggtacaa ggaacatgaa gatggctata 600  
tgcggtgca gctgggtcgc tamgagagt tagagctgac acagcaactg ctgcggcaac 660  
cacaagaggg atcggtggtg gaacgtcgct gaacgagagc agcctgcarg gsattattct 720  
agaaacagtg ccaggggagc caggacgtaa ggaagaggaa gaggaggga agggtagcga 780  
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gccttttaga gtggtgccga gagcagtgtg gtccactctg gcctgggttt gcatcattct 1140  
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taacyataac cctcaagatc tgcttgacag tgattaaatc cttagctcac atccattccc 1320  
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caaccccaag gactttcatg attatcctca gggacaggat tggaggcatt gagcgtgttt 1500  
attaacaaat tgttttttgt aataaaataa atgcttgga aaaaaaaaaa aaaaaaaaaa 1560  
aaaaaaaaa aaaaaaaaaa aaaaaactcg tag 1593

<210> 133

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<400> 133

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tccttctgac gtcaatgtga tggcggaatc gctgaaggat atggaagcag atggcagaa 60
actgtaccag ttaatctggc gtcagttcgt tgcctgccag atgaccccag cgaatatga 120
ctccacgacg ctgaccgttg gtscgggcca ttccgcctg aaagcacgcg gtcctatattt 180
gcgttttgay ggctggacaa aagtgatgcc tgcgttgctg aaaggcgatg aagatcgcat 240
cttaccagca gttaataaag gcgatgctct gacgctcgtt gaacttacac cagcccagca 300
ctttaccaag ccgccagccc gtttcagtga agcatcgctg gttaaagagc tggaaaaacg 360
cggtatcggt cgtccgtcta nctatgcgtc gatcatttcg accattca 408
```

<210> 134

<211> 2741

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1673)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2736)

<223> n equals a,t,g, or c

<400> 134

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ctcgcctatca agatccaacg cagtaatggt ttaattcaca gtgccaatgt aaggactgtg 180
aacttgagga aatcctgtgt ttcagtggaa tgggcagaag gaggtgccac aaagggcaaa 240
gagattgatt ttgatgatgt ggctgcaata aaccacgaac tcttacagct tcttccctta 300
catccgaaga caatctgccc ttgcaggaaa atgtaacaat ccagaaacaa aaacggagat 360
ccgtcaactc caaaattcct gctccaaaag aaagtcttcg aagccgctcc actcgcatgt 420
ccactgtctc agagcttcgc atcacggctc aggagaatga catggagggtg gagctgcctg 480
cagykgcaaa ctcccgcaag crgttttcag ttctcttcg gaggaatca tgtcttgatga 540
aggaagtggg aaaaatgaag gaacaagcga gaagagaaga agggccagaa yctgaawtg 600
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catactatgg gcggagacct ctctgggaaa gccagaaatg catccaaagg gatctatgcc 1080
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tgagagcgag ttgattcaaa tggaaacaga agagatggaa gcctgctcta acggggcgct 1800  
gattccaggc aatttatcca aggaagagga ggaactgtct tcccagatgt ccagctttaa 1860  
cgargccatg actcagatca gggagctgga ggagaaggct atggaagagc tcaaggagat 1920  
catacagcaa ggaccagact ggcttgagct ctctgagatg accgagcagc cagactatga 1980  
cctggagacc tttgtgaaca aagcggaaac tgctctggcc cagcaagcca agcatttctc 2040  
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tactgttttc tgttttatgt gtttatacat tgtatgtaac aataaagaga aaaaataaaa 2700  
aaaaaaaaa aaaaaaaaaa aaaaaagggg gggggncccc c 2741

<210> 135

<211> 686

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (655)

<223> n equals a,t,g, or c

<400> 135

tcttcctttt ttccgcctct cgttcgcttt tgtcttacga ggcttccgga acacggccca 60  
gaattacaga gaaaacacac ctgcacgcgc actctctcgt acacgctgtg cggcttctgt 120  
ttgggtggcc agttcgtccc aatttccgac tcacaggctg cggagcagca actctcacga 180  
tatttgctcg acccgcaggg gtatccgctg ccgggttctg gcgcgccctt tcagttctgc 240  
ttgctgtcsg caccgctgcg ttaccgggaa ccgccggggc gaacagcatg acgtccgctt 300  
tggagaacta catcaaccgt atcctcaagc tggcgccgcg ggcgtgagcc ggggtcgcgg 360  
agaggccgcg gtcgggggac ggtgggaggt tgggaggcct ggccctcggcg ggatcctggg 420  
ggcgggagag gagatgaggg ccccggaacg acccagagtt cgcggcggcg gcctcagacc 480

```
ttcccgcctgc tgcggggccca rgggtccttt ccattttgcc tgcaaaaccc aaataaaaaac 540
ccagtgtgat tattccgaac ttttctgtct taaaaaaaat gtacgctctt gattcttact 600
tactatttcc ctatggcata agtggttaaag tttgtganta agatgaacag tcgtncctggc 660
ggcgacaaca gtttgcaatc tttgta 686
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<210> 136  
<211> 242  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

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<400> 136
cagcttactc tcaatatatc tctcttactc tctctctctc tctctttttt ttttaatatg 60
gtgaaattag accaggggtc agaacataga ttttagtctc ctttagttca tctactagga 120
gactaaatta gataatctct aaactccctt ttagttctaa aattctgtaa ttaaactcta 180
gcatatcacc attttagact aaaagttttc ttcttctctc tcttttttnt tttgggtttt 240
tn 242
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<210> 137  
<211> 545  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (445)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (534)  
<223> n equals a,t,g, or c

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<400> 137
caggaagagc ccaactgggt atcagaataa gccacatgca ctttctgaaa ctgcccacaaat 60
ccacacctgc ataagaattt gagcccagtt cataaagcag atcatgaagc aattatcttc 120
ctggaagggt ttttagcttg ctctccagtt gcctcagcag ctttggtctc gtgccacagt 180
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gagcccaagg ggaagggtgat ggaacagcat cacatctgca ggctcagtgt ttgttttgg 240  
gagggtaagg ggagggaatg tagacggatg aagaaatttc tccctactgc tccattttg 300  
atattttcttt aacttcacat ttcacctca ttcttagcag ttgcctagtt atagaggatt 360  
tcttttawct ttttttcaga ggcattgccag gtggaagtga ggtgcttgst ggcctacaac 420  
tccagtgtc gcaattccaa aatgnccctt ggatggaggg ttggtgagaa tctcaccaca 480  
gtgggaaacc agcaatcggg ggaaccattc ccttaagcaa gcctttnaaa gttnttttaa 540  
tgccc 545

<210> 138

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<400> 138

tctcggggga gccagttgt gccaccatt ctctgtaagg tggccccagg gtgggcttag 60  
gagcctataa tagtggccag tgccagagga ggctccctca agaaagccag agttgagatc 120  
tgaggaggga gaggaggtta gccagaccag ggtggagatg agggatttct gaggcagcag 180  
acctgcaggg gcacaaggca agggccgcct cctagaggag acccagtggc caggcacatc 240  
atgggaactg caggctggcc ccaagcctct gccccgctcc tcccttgagc gaggggcctc 300  
ctggagcctt gtgctcatcc tgggctcttg aggncccagc cctgcacaga gaggcgagac 360  
gtgccttgcc ttncacccc tccgctctgt cctctt 396

<210> 139

<211> 2771

<212> DNA

<213> Homo sapiens

<400> 139

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gcttttagtg tgtctccgct tttctttcac cttcacagag atgtcttatg gtgaaattga 120  
aggtaaattc ttgggacctt gagaagaagt aacgagtgag ccacgctgta aaaaattgaa 180  
gtcaaccaca gagtctgatg tttttcaca tcatagtaat gctgattttc acagaatcca 240  
agagaaaact ggaaatgatt gggctccctgt gaccatcatt gatgtcagag gacatagtta 300  
tttgaggag aacaaaatca aaactacaga ttgcataga cctttgcatg atgagatgcc 360  
tggtaataga ccagatgtta ttgaatccat tgattcacag gttttacagg aagcacgtcc 420  
tccattagta tccgcagacg atgagatata tagcacaagt aaagcattta taggacccat 480  
ttacaaaacc cctgagaaaa agaaacgtaa tgaaggagg aatgaggcac atgttctaaa 540  
tggtataaat gacagaggag gacaaaaaga gaaacagaaa tttaactctg aaaaatcaga 600  
gattgacaat gaattattcc agttttacaa agaaattgaa gagcttgaaa aggaaaaaga 660  
tggttttgag aacagttgta aagaatctga accttctcag gaacaatttg tccattttta 720  
tgagggtcat aataatggtc tcttaaaacc tgatgaagaa aagaaagatc ttagtataa 780

```
agctatgcc a tcacattgtg attatcagca gaacttgggg aatgagccag acaaatatcc 840
ctgtaattgga caagtaatac ctacattttg tgacacttca ttacttctt tcaggcctga 900
atggcagtc a gtatatcctt ttatagtgcc ctatgggtccc cctcttccca gtttgaacta 960
tcattttaaac attcagagat tcagtgggtcc accaaatcca ccatcaaata ttttccaagc 1020
ccaagatgac tctcagatac aaaatggata ttatgtaaat aattgtcatg ttaactggaa 1080
ttgcatgact tttgatcaga acaatgaata tactgactgt agtgagaata ggagtagtgt 1140
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agtcagagaa agatgctgga aagatcattg tatggacaag cataatggaa cagacagggt 1260
tgtgaaccag cagtttcaag aggaaaagtt aaataaattg cagaagttac ttattctttt 1320
aagaggctct cctgggttctg ggaaaacaac attgkctcga attctgcttg gtcagaatcg 1380
tgatggcatt gtgttcagca ctgatgacta ttttcacat caagatgggt acagggtataa 1440
tgtaatacaa cttgggtgatg cccatgactg gaaccagaac agagcaaac aagctatcga 1500
tcagggaaga tctccagtta taatagataa cactaatata caagcttggg aaatgaagcc 1560
atatgtggaa gtggccatag gaaaaggata cagagtagag tttcatgaac ctgaaacttg 1620
gtggaaattt gatcctgaag aattagaaaa gaggaataaa catgggtgtgt ctgaaagaa 1680
gattgctcag atgttggtatc gttatgaata tcaaatgtcc atttctattg taatgaattc 1740
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gtttaaattc ccagcaagtt gttaaagtgt aaataaaaa atatgaaatt gtattttaaa 2040
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gtgggtggga ggagctagga tgtttttcta caatcgaatt ttaaactaat ttatctattt 2160
tatagacact attgaacagt tttttaatag ttcataatcta aatctaactt ttcataaaac 2220
tttacggttt ttccttcact accttaaata tgcaagaaat actgacttgg tatagggtac 2280
cttagttttc tctattcatt agacaggtaa aattatattt cagctgattg atctgtgtga 2340
caaaattatt tcttagctat aatcagcaca tcacttagtt caaacaaaat tccccagcaa 2400
atgttagata gtaggtatat cagtcacctg gggagttttc ttcataatat gcatattcat 2460
cttgtaatgc atacatagtt atcatcctcc ttctcaaccc atctccctaa ccccatgc 2520
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taatgtgata taattctagt ataaaaatat tttggacagt tgcttaacat ggtcataaga 2640
ggatttgtac tataaatat cttctagtac taatttttct gtagagcaaa ttatatttct 2700
ctcactggat agtttttaga tgtgtttctt catataaaat taaaaactga gatggaattc 2760
aaaaaaaaa a 2771
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<210> 140

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<400> 140

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actaagggat actgctcaaa gttaagatga caattatcag tgatgtataa taagagatgc 60
tgaaataagg gtgataataa aggtcccgagg cttgctcact catggtcaca gtaaaatttt 120
tatgcaagta tataccacct tacataaacc tcactttaga taccctcaag tgattgcaca 180
tcaagatctt gcaaattgaa aaatacatta agtatgccat ggggttgact ttttatcaga 240
attcacacat gatttctttc ataagttcag gatcttttag ggtgcccata gccttgcccta 300
tatttacgta ttttataaac ctacatttng gkatawgaag tcttttcytc tttttttgag 360
acgagtatcg ctctgtcgcc caggctggag tncagtggca ggatcttggc ccactgcaag 420
cn 422
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<210> 141  
<211> 1630  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1566)  
<223> n equals a,t,g, or c

<400> 141

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tggcggtctt ggcggcctaa agaaggcgrc cgcggctcag cgtgggctct aacgcggggc 60
tgggggcccgg agacagactt cgcccagggtg acgggtagta ggggcggcgc gcttggccctc 120
gtggggtgta agaccactt gctgttgccc cgggaccttg ccgccacacc agccctgtcc 180
tggggcgga aagaagaagg tcggggccctg ctgccccgcc ccgtccttcc tccttcccgg 240
gcggctcactg tgcgtggctc acttttagag tttacttcaa ccacgtggag cttccatggc 300
ggcctctcag gtccctggggg agaagattaa catcctgtcg ggagagactg tcaaagctgg 360
ggacaggggac ccgctgggga acgactgtcc cgagcaagat aggtccccc agcgtcctg 420
gaggcagaag tgtgcctcct acgtgttggt cctgaggcct ggagcttcag tgcctcactc 480
acaccggtgg ccctgggcag tgcccttgcc tacagatccc acggtgtcct ggatcccagg 540
ctcttggtgg gttgtgccgt ggctgtcctg gctgtgcacg gggccggtaa tttggtcaac 600
acttactatg acttttccaa gggcattgac caaaaaaga gtgatgacag gacacttgtg 660
gaccgaatct tggagccgca ggatgtcgtc cggttcggag tcttctctta cacgttgggc 720
tgcgtctgtg ccgcttgccct ctactacctg tcccctctga aactggagca cttggctctt 780
atctactttg gaggcctgtc tggctccttt ctctacacag gaggaattgg attcaagtac 840
gtggctctgg gagacctcat catcctcatc acttttgccc cgctggctgt gatgttcgcc 900
tacgccatcc aggtgggggtc cctggccatc tcccactgg tctatgccat cccctcgc 960
ctcagcaccg aggccattct ccattccaac aacaccaggg acatggagtc cgaccgggag 1020
gctggtatcg tcacgctggc catcctcatc ggccccacgt tctctacat tctctacaac 1080
acactgctct tcctgcccta cctggtcttc agcatcctgg ccacacactg caccatcagc 1140
ctggcactcc ccctgcttac cattcccatg gccttctccc ttgagagaca gtttcgaagc 1200
caggccttca acaaaactgcc ccagaggact gccaaagctca acctcctgct gggacttttc 1260
tatgtctttg gcatcattct ggcaccagca ggcagtctgc ccaaaattta aggggacaag 1320
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aaggaatgtg atttggcagt cagggtacta agcatgggtg ggaactcctg cttataaaaa 1440
attgtttttg tgttcttaaa gataatatgt tgtttttctg ttttttgtt ttccatttt 1500
atgggggaat ttaaaaacca ttctgtatc agaagggtgaa ttaggcgcac ggtctttgtt 1560
```



ttattnaata aatttccact agaggggtgt ctcaggtcac tttgcagtgg aagtgggact 1620  
tagttcctcc 1630

<210> 142

<211> 264

<212> DNA

<213> Homo sapiens

<400> 142

accaggatgt ctctgaaatg gacgtcaket ttctgctgat acagctcagt tgttacttta 60  
gctctggaag ctgtggaaag gtgctagtgt ggcccacaga atacagccat tggataaata 120  
tgaagacaat cctggaagag cttgttcaga ggggtcatga ggtgactgtg gtwracatcy 180  
tcggcttcta ctcytgtaa tgccagtaaa tcctctgcta ttaaattaga agtttatcct 240  
acatctttga actaaaaatt attt 264

<210> 143

<211> 636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<400> 143

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attcgtctgg cgtggaagg ggttgatgtc aaactggaac aggccgcaag aacactgggg 120  
gccgggcgct ggcggtttt ctttactatc acgttaccgc tgaccttacc gggaattatt 180  
gttggtacgg tactggcttt tgctcgttct ctgggtgagt ttggtgcaca tcacctttgt 240  
gtcgaacatt cctggtgaan gcggaacat tcctctgcc atgtataccc tgatccagac 300

ccccggcggg aaaagtggag cgnccgagact gtgccattat ttctattgcg ctggcgatga 360  
tctccctgtt gatttcagaa tggctggcca gaatcagccg tgaacgggcg gggcgctaata 420  
catgctggaa ctgaattttt ccagacgtt gggcaaccat tgccctgacta ttaatgaaan 480  
taccgtactt caatccataa agttgcgtta agccgcacgg ttcaaaacgg ctgggcacca 540  
gaatgacgtc cgcgcgcgcc ataatgcgat gcgaawatgc tcgtgatagc caatctgaac 600  
gcccacctga ccgggggtatt tccgtgccgc cgcaag 636

<210> 144

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 144

ccgccctcgg cgtcctctgt agcggggcgac ctaggcccgcg ggaccccgac ggaggtagag 60  
gccagggcag cgcgtccggg agcggagtcc gcgcccgcgc ccgccatgcc ggacagctgg 120  
gacaaggatg tgtaccctga gccccgcgc cgcacgcgcg tgacgcccac tcccatcgtc 180  
tacatgatga aagcgttcga cctcatcgtg gaccgacccg tgaccctcgt gagagaattt 240  
atagagcggc agcacgcaaa gaacagggtat tactactacc accggcagta ccgccgcgtg 300  
ccagacatca ctgagtgcaa ggaggaggac atcatgtgca tcaaaktcga ccaagaaatt 360  
atcacattat gcaggatcgg ytcaaagcyt ktcagcagag ggaaggacag actaccagca 420  
gactgtatca aggaaktgga gcagttaccc aggtggccaa ggctaccagg gaccgntatc 480  
aggacctgng ggcctacatg 500

<210> 145

<211> 1945

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1934)

<223> n equals a,t,g, or c

<400> 145

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cagacatatc tcagcattta taacctaaaga ctgaatcact gcattttacc cttaatgagg 180  
tacgcttaca ctaatctttt tgaaacagta cttaaattgt agcaggacaa gccgcagaca 240  
aaaccctca gccagcgagt ttaagaaaga agggctttat tcggccggga tcttcggcaa 300  
gactcacgtc tccaacaacc aagctcccca agtttccggg tctgtcacct ccaggctgag 360  
ccgggctggc ggaagaggca cgtgcgctgc tgaatggagc tggctcgctg ttgctacgag 420

caggctcctct ttgggttcgc tgtacacccg gagcccgagg cttgcggcga ccacgagcaa 480  
tggactcctt tggctgactt cactcaccat gctcacactg cctccttgtc agcagtagct 540  
gtaaatagtc gttttgtggt cactgggagc aaagatgaaa caattcacat ttatgacatg 600  
aaaaagaaga ttgagcatgg ggcctctagt catcacagtg gtacaataac ttgcctgaaa 660  
ttctatggca acaggcattt aatcagtggg gcggaagatg gactcatctg tatctgggat 720  
gcaaagaaat gggaatgcct gaartcaatt aaagctcaca aaggacaggt gaccttctct 780  
tctattcacc catctggcaa gttggccctg tcggttggtg cagataaaaac ttaagaacg 840  
tggaatcctt tagaaggaag atcagcattc ataaaaata taaaacaaaa tgctcacata 900  
gtagaatggt cccaagagg agagcagtat gtagttatca tacagaataa aatagacatc 960  
tatcagcttg acactgcac cattagtggc accatcacaa atgaaaagag aatttctct 1020  
gttaaatctt ttccagagtc tgccttgcg gtggctggag atgaagaagt tataagggtt 1080  
tttgactgtg attcactagt gtgcctctgc gaattttaaag ctcatgaaaa cagggttaaag 1140  
gacatgttca gttttgaaat tccagagcat catgtttattg ttccagcatc gagtgatggt 1200  
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aagaaacgcg gtttaacagg tgacagtaag aaagcaacaa aagaaagtgg cctgatata 1500  
accaagaaga ggaaaatggt agaaatggtg gaaaagaaga ggaaaaagar gaaaataaaa 1560  
acaatgcagt gaatcacaga tgtctcctga aagaactctt ttagatgaaa tcattctact 1620  
caaatgtacc ttaatttttt ttttttccct gagtaaaagc aagaaatttc ttcttttggg 1680  
aaaaatatat atattaaaaa accactttta gatgggtttt tttaaaaaaa aaaaaaaact 1740  
ggtaaaatta cttttggcag acagtgtttt atgaattatg tatcatgttg atatataata 1800  
tgtaaatgtg tcatgtaatt ttactttgtg acaaagcaaa taaagatctt tctcaaaaata 1860  
tactgtaaaa taatataaaa tattgaacac attctttatc aaaaaaaaaa aaaaaaaaaa 1920  
ttactgcggg ccgncagggt aattc 1945

<210> 146

<211> 1114

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1034)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1055)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1084)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1108)

<223> n equals a,t,g, or c

<400> 146

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tgtggcgggc gccgcagctc cgcgtccccc gcgcctcctc ccagcgcaga cttcaagggc 120
taccactgga cccttccctt gtcttgaacc ctgagccggc accatgcacg gacgcctgaa 180
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gtccgtgctg gaactgacaa gccagattct gggagccaac cctgattttg ccacctctg 360
gaactgccga cgagaggtgc tccagcagct ggagactcag aagtctcctg aagagttggc 420
tgctctgggt aaggcagaac tgggcttcct ggagagctgc ctgcgggtga accccaagtc 480
ttatggtacc tggcaccacc gatgctggct gctaggcsqc ctgcctgagc ccaactggac 540
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cactgacagc ctcatcacc gaaacttctc caactactct tcttggcatt accgtcctg 720
tctcttggcc cagctgcacc ccagccgga ttctggacca caggggcgcc tccctgagga 780
tgtgctgctc aaagagctgg agctggtgca gaatgcttct tctactgacc caatgaccag 840
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tgcttgcctg tgagccggga csaggcctgt ctgactgtct ccttctctcg gscctctta 960
rtgggctyca ggatkgagat cttgctgctc atgggtgatg aatctncccc tgattgtgga 1020
atggaggacc ccanatggca ggaaccggg ccaanctgtc tggattcca agatggtggg 1080
gcanaaattg ggctggggca aggctggntg gaaa 1114
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<210> 147

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<400> 147

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tggccacgc ctaagcgacc tatgcttctt gttcttctga aatcttacag tcccccttag 180
atgtaggttg gctattggtg gcttccgatt cagataagtt tggaacttga cagatgtttt 240
cggggggctg ctttagagag aggccttggg ctatgcaagg ggaggaagga ggttcagaaa 300
aacggggctg gggggtcggc aggacgactc ttraartgtg gaaggtggaa gctgggaggg 360
gagataaagg gcaccraaga ccagcttgtt tgctcctatc aaggtgatcc tttccagagc 420
aagagccata tgnatgtcta gtcgcacgag tttgtgccaa gtccttttgca aaaaccttca 480
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gatgtnggat ctcatgtaat cttgaagaca tcttagtcgt cctaagggtt aattatttaa 540  
ttgatg 546

<210> 148

<211> 1763

<212> DNA

<213> Homo sapiens

<400> 148

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actgggagcg ggaccagggc gtgcagcatt cgccatgctc cgctcacgcg tgggagactg 240  
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ttgcgtgacc ttactgccct ccgtctacag gccttgtagc tctccaggcc gatttttcca 360  
caatttaaat ccaggttcac ctggtatcca gctccagcaa cttagagcgt ttcacgtcac 420  
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agtgggtttt gattcccacc atggccatca ccaggtttcg gttattttaa tttgtacct 540  
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aattaagtgg agaccaaata actttgccaa ctacagttga ttattcatca gttcctaagc 660  
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ttggtgttga catacattcc ctctaatttg aactggtatt gtttacgttt gataacaacat 1680  
taaggaattt gatgattttc atttcatgaa aatgacatta aatgcaataa ttttacttat 1740  
cataaaaaaa aaaaaaaaaa aaa 1763

<210> 149

<211> 371

<212> DNA

<213> Homo sapiens

<400> 149

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ctagtctctg tttaatggta aaaggagact ttgccataat tttcagatga agatgtttcc 180  
caaacactgt ttacagaatg agatgtgact ctacagatac ctcatagaag acaatccaag 240  
atcatacttc attaacttga cagagtacgt gtcttaaagg aagcatcagg aattccaata 300

tttgcmmtta aaatactttt twagggcctt ttatatagg ccatgcttg aaaactggat 360  
 tttttttatt a 371

<210> 150  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (3)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (379)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (408)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (421)  
 <223> n equals a,t,g, or c

<400> 150  
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 gtctctctc tctgtctcta cccagccaa ggacaaagac ttctcctccg gaaggcctcc 180  
 cccagctgag ggaacgttcc aggtcytccc tcggccctgg ctgcgcgccc ggtgccggct 240  
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 gggcgccctt ggytcctcct tcctctacgg ctacaacctg tcgggtggtga atgcccccam 360  
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 ntgaatgggc tt 432

<210> 151  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (234)  
 <223> n equals a,t,g, or c

<400> 151  
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 cttggacctt gatggaaatg agagcscatt ggccctattg atgtctaacg gcagwacgaa 120

aaggggtgaag agtttatcca aatctcggcg aaccaagata gcaaagaagg tagacaaggc 180  
taggctgatg gcagaacagg tgatggaaga cgartttgac ttggrrttcag atgntgagct 240  
gcagattgac gagagattgg ggaaagagaa ggcgaccctg ataataagac caaaatttcc 300  
ccggaaattg ccccggtcga accttgctct gaccccaacc gagttcgtga accaggagaa 360  
gttgagtttg acattgagga ggatatacaa cagatgaggg t 401

<210> 152

<211> 851

<212> DNA

<213> Homo sapiens

<400> 152

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tggattggca ggtccaactg taatgaatgc agcaccattt ctctctacga cgtggttttc 180  
tgcagatgaa agggccacag ccacagctat tgcataaatg ctcagttatc ttgggggagc 240  
atgtgcattt ttagtggac cacttggtgt tccagctccc aatgggacat cacctcttct 300  
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tattaagcaa ttttcgattt ttgatgattg ctttagcata tgccatacca cttgggtgat 540  
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atgctggctg gattggattt tgggccatag ttggaggctg tgttggttga atagctatgg 660  
caaggtttgc agattttatc aggggtatgc tgaaactaat tcttctcctc ctgttttcgg 720  
gagctacact gtcattccacg tggttcacc tgamctgttt gaacagcatc acacacctac 780  
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gcgtgcctat a 851

<210> 153

<211> 1678

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1663)

<223> n equals a,t,g, or c

<400> 153

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ttatagggct cctcagggag gccccccagc cccaaactca ccacctggcc gtggacacct 180  
gtgtcagcat gtgggacctg gttctctcca tcgccttgct tgtggggtgc actggtgccg 240  
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ggcaggtggc tgtgtacagt catggatggg cacactgtgg ggggtgtcctg gtgcaccccc 360  
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gccatgacct catgctgcty cgccgtgtcag agcctgccaa gatcacagat gttgtgaagg 600  
tcctgggcct gccacccagg agccagcact ggggaccacc tgctacgcct caggctgggg 660  
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cctgtccaat gacatgtgtg ctagagctta ctctgagaag gtgacagagt tcatgtttgtg 780  
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aagctggagc cacaatgcat gaggcacaca cacagcaagg atgacgtgt aaacatagcc 1440  
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gaggtttgtt caggtccccc aaaccaccgt cagatttgat gatttcctag caggacttac 1620  
agaaataaag agctatcatg ctgtgggttaa aaaaaaaaaa aanaaaaaga agtcgacc 1678

<210> 154

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1148)

<223> n equals a,t,g, or c

<400> 154

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acaaccacga gagtgccctg tgcctcccca tctgtcaca gtattagtag tgcgactcca 240  
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gcatttgcaa tgccagaagg ggaacgtcaa ctggtataat aagcaaaatc acatccaaat 420  
ttgttcgcag ggatccaagt gaaggcganc agntggcaga accgacacct caagaagtac 480



atcaggggaa ccaaaagaaa gagacaagga agagggtaaa gattctaagc cgcgttcttt 540  
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aatccgaaaa gtgttagatg caaataactg tgattatgag caaaaagaga gatttttgct 660  
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gcggccgnca agggaatt 1158

<210> 155

<211> 1969

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<400> 155

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gaggacgcag ccgcgccggg gcgcagaacg accagctgag caccggggccc cgcgcgcgcg 120  
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gtgcatactg taggtcattt tttttggttc tggctacctg tttgaagggg agagagggaa 1800  
aatcaagtgg tatcttcag cactttgtat gattttggat gagttgtaca cccaaggatt 1860  
ctgttatgca actccatcct cctgtgtcac tgaatatcaa ctctgaaaga gcaaacctaa 1920  
caggagaaaag gacaaccagg atgaggatgt caccaactga attaaactc 1969

<210> 156

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<400> 156

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aaaaggaaaag aaagaaaagga aagaaaaggaa agaaagaaaag agagagaaaag aaagaaggaa 120  
aaggaggaag ggaattccag gtatatacca ctgcatgagt aaaggcaggg ttgtggatag 180  
acatagttga tttgtagggc ccttggttgc caagaatagt cctgctttac ccctgttggtc 240  
ctgatgtaat tattaataat actgcctcat tcagtcctaa ataagtcttg grtttggact 300  
agaaattata tggctaccyc tttatgtggg actaaaagta attccttgrg acmgggacnt 360  
ggagtnaggt gcccaaggaa agctagaagg tagttttntc 400

<210> 157

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (720)

<223> n equals a,t,g, or c

<400> 157

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acttaaaata tcttctaatt tccatttttt ttttttgaca tgagttgtat agaaatgtgt 180  
gcttcagttt ctgttatagc aacaactctt gtcacccata gccttacaaa aattcctaata 240

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tttaatat ttt aaatttttaga attckacrag cagaattaca aaaagagtaa ctaacaagaa 300
agtgagattg tgatgggata acggaatgtc aagtctaatt gtcaggaaaa gacaaaataa 360
catgggaatg acaatcaaaa tggactaagg acttagaaga tccgaaacta tgaagctact 420
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ccttaaaagg acaggcaacc caagcaaaaa tggrcagwtg ggwtcmcwtc magctaaaaa 540
acttctacac agcgaaggaa acaaagtga cagaataaca tgggaatggt ttctgtaatt 600
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tt
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&lt;210&gt; 158

&lt;211&gt; 1200

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 158

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tgatactagg gaagatcagt ggattaatat aggtaccatg ttaggccttt tgcagtttga 180
ctctggcttt atttgccttt gtgctcgtgt ttatccttcc tgccttgaac ctggtcagag 240
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ggtgcaagta gcacctcagc gaaatgcaca ggatcagcag ggttctttgt aaatagtatt 420
ttgagacact aagatgtttc tactgctacg gratgtattt taaacacata tcgtttcttt 480
ttcttgaaaa aaaagttgat taggaccaca gatttggttt agaaagggtg atattttgaa 540
atactacaag gtttagacag tccatgaatc gacctgttta ataatttacc atcctgaaag 600
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tgtactttcc ttcaaaaata agtggttagat tttcaaaatt ttacactagt cagttcttta 900
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gaccaatttt ctatcccaaa aaacacccat tcttagtaat gtcatagaatt aaacaccctt 1200
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&lt;210&gt; 159

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (316)

&lt;223&gt; n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<400> 159

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tggcatacat atatctccta aatacaggaa gaagtattca taatctcact ctttagcatg 120
gtacaaagct aaccacaact aawttattgt atataargcc acgtgaagtg stgtgtgaca 180
gccttatttt gtgaataggg ctgagaaaac cagttcaa atctcctgaga ctatttcaga 240
ggrgttaaaa tttgaactcg tttaaaaatc atgrtttatt tacttaatat taagtttagg 300
ttaacgggca gaaaangagg ngcctggggg catcacccaa atttt 345
```

<210> 160

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<400> 160

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aattcggcac gagagacacc agagtgaagg agagaggcca tgctgtgtcc gagaagctcc 60
tactggggtg gaagggacag ctccacaaag gctgctcttg caggggctct cctgcagcaa 120
gggtgctgct gactgtcccc agactgtctc ccgacacaga gggatgcaaa ggcagcctct 180
tctgtctcag tggaataggg aaattatata acctttcact tcccactctc acttctgccc 240
ctgctaccct tagtctttgg cttttgctga cattttcccc tcttatcttt tctcctgacc 300
aagttctagg tntttcatag ggcagtcctta ggtgaggggtt ggaaccccaa tgaagttggg 360
caacagaaac ccagctnaca atggctgttc actgtgggca agctgtttcc ccttcattct 420
ntaaaagtgg aggtgggggtt agtgtatgag tctgggtttc cattcctgtg tgtgtg 476
```

<210> 161

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<400> 161

```
aattcggcac gagctgcgcg cggctacagc acggttcggt tttccttttag tcaggaagga 60
cgttgggtgtt gaggttagca tacgtatcaa ggacagtaac taccatggct cccgaagttt 120
tgccaaaacc tcggatgcgt ggccttcttg ccaggcgtct gcgaaatcat atggctgtag 180
cattcgtgct atccctgggg gttgcagctt tgtataagtt tcgtgtggct gatcaaagaa 240
agaaggcata cgcagatttc tacagaaact acgatgtcat gaaagatttt gaggagatga 300
ggaaggcttg tatctttcag agtgtaaagt aatcttggaa tataaagaat ttcttcaggt 360
tgaattacct agaagtttgt cactgacttg tgttcctgaa ctatgacaca tgaatatgtg 420
ggctaagaaa tagttcctct tgataaataa acaattaaca aataaaaaaa aaaaaaaagg 480
gggggggcccc tctaaaagggt ccaagcttac gnacgggtgn 520
```

<210> 162

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<400> 162

```
aattcggcac gagcgcgcct ccacgcccag ctaatttttg tatttttggt agagacgggg 60
tttcttcacg ttggctaggc tgatcttgaa ctctgacct caagtggnt gctgcctca 120
tctcccaaa gtgctgggat tacaggcgtg acacctgcac ccacccatgc tctagtacat 180
cctaaagaat gcctttagtt cctcttcct gacattactc tgcttaaatt cccagattc 240
aagctttttg agaatcctat ctcagcattt tgggcatcag gccatgttat atataggtrc 300
acaacttcta ggccttggtt agttggacag gttnaaaag 339
```

<210> 163

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<400> 163

aattcggcag agcagaacat tggatatgagg cacatgactg tagatcttct cattaataat 60  
aggcaacctg gtcagggtgca cgartctagg gttcagaatc caacaggctc aaattcaagt 120  
ccagctcagc cacgtggctg atgctgtctg aacctcagcg tcctcagctg ttaaacagag 180  
gtaaccatcc ccatctcagc agctttggga ggaaattaaa tgagatatat tggggatcca 240  
gataaccaat aaaatatcaa atcactttac cagttcaagc tcttaccact tcagtgattg 300  
catgggcttt atcactgacg gatggaactc aggggttcca ggngttcgng acccagc 357

<210> 164

<211> 1079

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (993)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1058)

<223> n equals a,t,g, or c

<400> 164

ggcagagct tggcctccag agtgctggga ttacaggtgt gagctaccgc gcccgcccta 60  
ttatcttgta ctttctaact gagccctcta ttttctttat ttaataata tttctcccca 120  
cttgagaatc acttgtagt tcttggtagg aattcagttg ggcaatgata acttttatgg 180  
gcaaaaaacat tctattatag tgaacaaatg aarataacag cgtattttca atattttctt 240  
attccttaaa ttccactctt ttaacactat gcttaaccac ttaatgtgat gaaatattcc 300  
tanaagttaa atgactatta aagcatatat tgttgcatgt atatattaag tagccgatac 360  
tctaaatara rataccactg ttacagataa atggggcctt taaaaatatg aaaaacaaac 420  
ttgtgaaaat gtataaaaaga tgcactctgtt gtttcaaagt gcaactrtctt yttttcagta 480  
ctacaaaaac agaataattt tgaagtttta gaataaatgt aatatattta ctataattct 540  
aaatgtttta atgcctttct aaaaatgcaa aactatgatg tytagttgct ttattttacc 600  
tctatgtgat tatttttctt aattgttatt ttttataatc attatttttc tgaaccattc 660

ttctggcctc agaagtagga ctgaattcta ctattgctag gtgtgagaaa gtgggtggtga 720  
gaaccttaga gcagtgagaga tttgctacct ggtctgtgtt ttgagaagtg ccccttagaa 780  
agttaaaaga atgtagaaaa gatactcagt cttaatccta tgcaaaaaaa naaaatcaag 840  
taattgtttt cctatgrgga aaataaccat gagctgtatc atgctactta gcttttatgt 900  
aaatatttct tatgkctcct ctattaagrg tatttactaa aactctgtaa tctccaaaat 960  
attgctatca aattacacac catgttttct atnattctca tagatctgcc ttataaacat 1020  
ttaaataaaa agtactattht aatgatttaa aaaaaaanaa aaaaaagaaa aaaaaaaaaa 1079

<210> 165

<211> 1325

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1313)

<223> n equals a,t,g, or c

<400> 165

ttaaaacaag atacatacat agtataacac acctcacagt gttaagattt atattgtgaa 60  
atgagacacc ctaccttcaa ttgttcatca gtgggtaaaa caaattctga tgtacattca 120  
ggacaaatga ttagccctaa atgaaactgt aataatttca gtggaaactc aatctgtttt 180  
tacctttaa cagtgaattt tacatgaatg aatgggttct tcactttttt tttagtatga 240  
gaaaattata cagtgtctaa ttttcagaga ttctttccat atgttactaa aaaatgtttt 300  
gttcagccta acatactgag ttttttttaa ctttctaaat tattgaattt ccatcatgca 360  
ttcatccaaa attaaggcag actgtttgga ttcttccagt ggccagatga gctaaattaa 420  
atcacaaaag cagatgcttt tgtatgatct ccaaattgcc aactttaagg aaatattctc 480  
ttgaaattgt ctttaaagat cttttgcagc tttgcagata cccagactga gctggaaactg 540  
gaatttgtct tcctattgac tctacttctt taaaagcggc tgcccattac attcctcagc 600  
tgtccttgca gttaggtgta catgtgactg agtggtggcc agtgagatga agtctcctca 660  
aaggaaggca gcatgtgtcc tttttcatcc cttcatcttg ctgctgggat tgtggatata 720  
acaggagccc tggcagctgt ctccagagga tcaaagccac acccaaagag taaggcagat 780  
tagagaccag aaagaccttg actacttccc tacttccact gctttttcct gcattkaagc 840  
cattgtaaat ctgggtgtgt tacatgaagt gaaaattaat tctttctgcc cttcagttct 900  
ttatcctgat accatttaac actgtctgaa ttaactagac tgcaataatt ctttcttttg 960  
aaagctttta aaggataatg tgcaattcac attaaaattg attttccatt gtcaattagt 1020  
tatactcatt ttcctgcctt gatctttcat tagatatttt gtatctgctt ggaatatatt 1080  
atcttctttt taactgtgta attggtaatt actaaaactc tgtaattctcc aaaatattgc 1140  
tatcaaatga cacaccatgt tttctatcat tctcatagat ctgccttata aacattttaa 1200  
taaaaagtac tatttaatga ttaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260  
aaaaaaaaag gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa angggggggg ggnccaaaaa 1320  
aaaaa 1325

<210> 166

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 166

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aattcggcac gagtttgcac ccaaattggt tgacctttgt gcagtggctc ccattatcaa 60
ctggggaacc agtacaatct ttacctaggt actactgagg ttgttctctc tccatcacia 120
aatttcacgc tatttatctg tgagaaaatg cctgaggact ttcacacagt aattcatctt 180
atctggaacc cttaggatca gatgtagacc gagcaaagt caagttcaca gagaacacct 240
gtgtcttcag aacattaaag ggcaccatta gagcttggtt cccttcactt tacatgcaca 300
tttttgggat aagttnnggg ctkratgatg ttgtcatags naatactgct agratgrttg 360
ctgtactcat tcaactncaa aaaagggggg gntg 394
```

<210> 167

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c



<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (472)  
<223> n equals a,t,g, or c

<400> 167  
ataattgcgg ctctttctcc tattcagatt ttacccagtg atggaaaaga tcaattttct 60  
tgtggaaatt cagtggctga ccaagccttc cttgattctc tctcagccag cacagctcag 120  
gncagttcgt cggctgccag caacaatcac caggtacgtc tcaacttcctc cttctggatg 180  
tggttggtt tacggaaaac agagcgtatt tgtgnaaggc ttgtgatgca ttatagctat 240  
tgccattccc caaaagcaaa aacaaagtcg ctttaggttg ttctgtggca tttctgttgg 300  
gtactaacia agaaatcacc tgttwagcct gataatgact gtttgcaaat ttattataag 360  
agaaaaggca ggtgtattgag ggttgctttt aggaagtctn nccatgatat ggaacacaga 420  
ccccagaaac ttgcaaatac cctcttaggt taaggcatgg aaagaggagg angagagagg 480  
tcttgtttgt tgaggaggtc catgtcaggc cttggcc 517

<210> 168  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<400> 168  
cttccctcag cccttgggcca acagcattct actttctgtc tctacggatt tracacttta 60  
gtagcctcat gtaggaagaa tcataatact tgtytttttg tgactggctt atttcactta 120  
gcataatatt ttcaatgttc atccattttg aagctccatg tgagtgggca ggaacttggt 180  
aactggaggc cttcactgag aagtgattaa ggtgatgaat acctgccagt gcagtggctt 240  
cacacctgta ctccagcact ttggggaggc caaggcagga agatcatttg agccccagga 300  
tttsgggacc accttkggca atatagttag acccngtggt t 341

<210> 169  
<211> 350  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 169

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ttcggcacga ggtcttgact cctaccccc tacaacacat ataaaatcag ttccagatag 60
atcacacatc taaatgtgaa atgcaaaata ataaagcttt aagaaaaaaa gtaatggaac 120
catcttcatg atcttagagt aagtagagat ttattaagta ggatattaaa ggaacactat 180
aaatttaggg aaaaaatcaa tatattgatt atattaaaaat taaggaactt ttcctcatta 240
agaggccaca aagtatttgt agtatacaca tccaacaaaa gttccatatt ccngaattwtw 300
tgganggaat nccnatggta cgttaaaaaa aggccagncc cangggggggg 350
```

<210> 170

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<400> 170

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aattcggcac gagacatggt gaacctgggc tctacataaa atacaaaaac ttagatgggc 60
atggtgggtgt gtgcctatag tcccactact tgtgggggcta aggcaggagg ntcacttgag 120
ccccggagggt cgaggctaca gtnagccaag agtgcactac tgtactccag ccagggcaag 180
agagcgagac cctgtctcaa taaataaata aataaataaa taaataaata aataaataaa 240
```

taaaaaaaaa caaagttgat taagaaagga agtataggcc aggcacagtg gctcacacct 300  
gtaatccttg cattttggaa ggctgaggca ggaggatcac tttaggcctg gtgtgttcaa 360  
gaccagcctg gtcaacatag tgagacaytg tytytaccaa aaaaaggaag gaagggacac 420  
atatcaaaact gaaacaaaat t 441

<210> 171

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<400> 171

ttttcatgaa cctcttcctt gggaaacctt atgactcaac agtcaaaggt gtccgaatag 60  
taaagatggg tttcagtgat caggctctgtg cccatgcctg gccttgata gactctgaaa 120  
tgagattcct tgtttgattg atgggggtgat ggtttctgtt gtgtacattt gaaggaaacc 180  
agtttcccca cccaaaattt ctaaggagtt taatcttttg ggtrtagggg agttaaacta 240  
cactgagtca aggaagtaat tgattgcata tttcctctaa aagtcagcta tggrrtgata 300  
ttgactaaaa caaactagca gttctcttcc accaccaagt cmgagcgtct gttcaccatt 360  
ctgcatgggt aaaagracc ctttagggat gggtaatgnt ncc 403

<210> 172

<211> 984

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 172

caagatatatt acttccgctc caaacaaaga tgggccagct aacgagcncg ggggaaacat 60  
ccgcccggaa ggccacttga aggcacttcc gccctctctt aacatggagc cggcgggaagg 120  
gggtggtgtag ggccgggcca taatggcggc gtcgaggctg gagctaaacc tgggtgcggct 180  
gctatmccgc tgcgaggcga tggcagcgga gaaacgggac ccggacgagt ggcgcctgga 240  
gaagtacgtg ggagccctag aggacatggt gcaggccctg aagggtccacg cgagcaaacc 300  
ggcctctgag gtgatcaatg aatattcctg gaaggtggat tttctgaagg ggatgctgca 360  
agccgagaag ctgacctcct cctcagagaa agcactggcc aaccagttcc tggcccctgg 420  
ccgtgtgcca accacagcca gagagcgagt gcccgccaca aagacgggtgc atctgcagtc 480  
acgggcgcgg tacaccagcg agatgcggag tgagctacta ggcacggact ctgcagagcc 540  
tgaratggac gtaaggaaga gaactggagt ggcagggtcc cagccagtga gtgagaagca 600  
gtcggcagct gagctagacc tcgtcctgca gcgacatcag aacctccagg aaaagctggc 660

ggaagagatg ctaggactgg cccggagcct caagaccaat accctggccg cccagagtgt 720  
catcaagaag gacaaccaga ccctgtcaca ctactgaaa atggcggacc agaacctgga 780  
gaaactgaag acggagtcag agcgtctgga gcagcacacg cagaagtcag tcaactggct 840  
gctctgggcc atgctcatta tcgtctgctt catcttcatt agcatgatcc tcttcattcg 900  
aatcatgcct aaactcaaat aaagaccccc gcccaaaaaa aaaaaaaaaa aaaaaaaaaa 960  
aaaaaaaaaa aaaaaaaaaa aaaa 984

<210> 173

<211> 1194

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1192)

<223> n equals a,t,g, or c

<400> 173

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cgnggcggna anntantggc cccccctaa agggaacaaa agctggagct ccaccgcggt 60
ggcggccgct ctagaactag tggatcccc gggctgcagg caaaagggan aattcaaaat 120
ttagaaaaaa cattagaaat gttaatatgg gatatttttg acttaagaca ttcagaaaaag 180
ttaatgtttt aacacgatat gtgattatag aattctattc atatatgtgt tcacatttat 240
acactttgct atactttgta tttataaata taattctgtt agataaataa gtgattcata 300
ttttgtcaaa actattttta aatttcaata tttaaaatat ttttgaatca ctgggttttcg 360
ttaagtggca tcatagrtga gatttgattc catgtagcat ataatttttag attgttcctc 420
tctcaccctt tttaaactcc ttcaagcatt gctattactg gggttgcctt tgggaaaact 480
tacttctaga tactaccata tatctgaaat agtagagggt gatgttaata aaattcataa 540
aataatcatg tattactttt ttgattttac cactggaagg aaatacagtc atgtgcaata 600
taatgacgtt ttgggtcattg agaccacat gtgtgacagt ggtcccataa ggatgttgct 660
gaaaaattcc tgttgctgcc tagtgacact gtatgccatg taacgccata gcacgacacg 720
ttactcacct gttcatgggt atgctgggtt aaacaaacct gtgctgccag tcatacaaaa 780
gtatagcaca atgacaatta tgtacagttt atcataattc ttgataataa atgactatgt 840
tacaggttta tgtattgatt ccactttttg tcattatttt ggaatgtact cctactaatt 900
ataaaaaaga aaagggttaac tgtaaaaaag cctcaggcag gtcctttagg aggcattcca 960
gaagaagaca ttgttaccat aggagatgac agctctatgt gtgttattgc ccctgaagac 1020
cttctagtgg gacaggatat ggaggggaaa gacagtgaac ttgggtgatcc tgaccctgtg 1080
taggcctagg ctaatgtgtg tgtgtcctcg tttttaacaa gaaagttaa aaagtaaaaa 1140
aaaaraaaaa ggnctcgaga aaggggcaaaa gggcncttgg gcaaatggca gnac 1194
```

<210> 174

<211> 701

<212> DNA

<213> Homo sapiens

<400> 174

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gcttccactg atcttgccca tctgatgtta ccatgtttgt tgtaaaggaa gagactggca 60
ttctggacaa ctggcatcag agactggctg acatggagaa cccactctgt gtgtgctgag 120
grcagggcac tcaccagtgc agaggcagaa gtgggtgcct gtctctgagg gtaacccgc 180
tttgctccc gccacagcc cctccacct ctaaaagctc aagagatgat cagactgaaa 240
caccgcccc tcttgctgtt ctgcctaggc tggaagacct ggcccaggtc atggaggccc 300
ctgctccact tgccagattc gcaggagtct tctgaccaga gctgtgcac cttgctgctg 360
ccactggcac tgctgccatt ctcatcctct tgggggcctt cattggtgcc acattctttg 420
tagccacctg ggctgtcagc catgagggaa ggacctcgt tttagtctcg gattgtaagg 480
tttccatctc tgtaccttct cacaagaag agtcagggcc caagcttaat gacctgtttt 540
ttaattcagg aaggtaaatc tcgttctctc gtcacaccgc gaattacagg tccatttgct 600
ctcagtggga gttgatctt gattcctaca aagaacaata aagtcgggtg aattcccata 660
aaaaaaaaa aaaaaaaact cggggggggg ccccggtaac c 701
```

<210> 175

<211> 1181

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 175

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tgggganatt tccccgaacc ggcnttcccc ggctcgaccca cgcgtccgcg gacgcgtggg 60
ccaaagtgtt gtgtgtgtnt gtgtgagtgg gtgcgtggta tacatgtgta catatatgta 120
taatatatat ctacaatata tattatatat atctatatca tatttctgtg gagggttgcc 180
atggtaacca gccacagtac atatgtaatt ctttccatca cccaacctc tcctttctgt 240
gcattcatgc aagagtttct tgtaagccat cagaagttac ttttaggatg ggggagaggg 300
gcgagaaggg gaaaaatggg aaatagtctg attttaatga aatcaaagt atgtatcatc 360
agttggctac gttttggttc tatgctaaac tgtgaaaaat cagatgaatt gataaaagag 420
ttccctgcaa ccaattgaaa agtgttctgt gcgtctgttt tgtgtctggt gcagaatatg 480
acaatctacc aactgtccct ttgtttgaag ttggtttagc tttggaaagt tactgtaaat 540
gccttgcttg tatgatcgtc cctggtcacc cgactttgga atttgcacca tcatgtttca 600
gtgaagatgc tgtaaatagg ttcagatttt actgtctatg gatttggggg gttacagtag 660
ccttattcac ctttttaata aaaatacaca tgaaaacaag aaagaaatgg cttttcttac 720
ccagattgtg tacatagagc aatggttggt ttttataaag tctaagcaag atgttttgta 780
taaaatctga attttgcaat gtatttagct acagcttggt taacggcagt gtcattcccc 840
tttgcactgt aatgaggaaa aaatggtata aaagggtgga aaattgctgc atatttgctg 900
cgtaattatg taccatgaat atttatttaa aatttcggtg tccaatttgt aagtaacaca 960
gtattatgcc tgagttataa atattttttt ctttctttgt tttattttta tagcctgtca 1020
taggttttaa atctgcttta gtttcacatt gcagttagcc ccagaaaatg aaatccgtga 1080
agtcacattc cacatctgtt tcaaactgaa tttgttctta aaaaaataaa atattttttt 1140
cctatggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 1181
```

&lt;210&gt; 176

&lt;211&gt; 489

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 176

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aatcgctgaa ccaggagcgg agttgcagga ggagaytcac cactcacttc agcctgggtga 60
cagrvggagc tctktcttaa aaaaaaaaaa aaaatcatct gtaaaataaa ttccgggata 120
gtcgttttgt tcaaggaaat gttttgtaaa ttgagctcac actatataat ctttattgtc 180
ctatcctgat gtataatata gcaggataaa ttacaccaag cgctatagtt ataaatatgg 240
catgaagtga actatggcct tttatttcct tccagtgtga acacagcagg tgtgagatgt 300
catcttgga gacaggcctt gcagaaatag gcctacatcc aaaatattat cttgtgactc 360
catgaaccat tcattaaccc tttgtatctt tgagtgaaaa ttttactcaa aagttgcata 420
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tggaagttcg aagaaattac ttgaaataaa aataaagatt tctatataga taaaaaaaaa 480  
aaaaaaaaa 489

<210> 177

<211> 253

<212> DNA

<213> Homo sapiens

<400> 177

aattcggcac gagcccgggw caggcacaca ggcccagggtg tgtagggcac agcagccgca 60  
gtcctgaaag sctgcaacac ccagacctcc aggagagacc agggccagga tgcctcgcct 120  
gttcttggtc cacctgctag aattctgttt actactgaac caattttcca gagcagtcgc 180  
ggccaaatgg aaggacgatg tkattaaatt atgcggccgc gaattagttc gsgcgcarat 240  
tgccattttg ggg 253

<210> 178

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 178

aattcggcac gagagcttat tcattgaagg agtaagtggc tgctcactcc tttctgctga 60  
aactctttcc tgccttgta gcctagtgtg gaatgggagc agggtcacag tgaaagagct 120  
gaatctcccc acccaccac actgcagcag gctgcggctg gccgacttgt taattgccga 180  
gcaggaacac agcagcaagc tgcgggcacc cctnacttgc tacagttgat ggctgtgtgt 240  
ctctcccagg acctagagaa aaccgcgscct gtgtacgagc gcatcactat cggcacattg 300  
ttcatgtcct tcatgaacgr gtaaaactgct gtttccgtgg rttttcaaaa aaaaaaaaaa 360  
aaaaaaaaaa aaaaaaaaaa ctcgaggggtg ggc 393

<210> 179

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 179

attataagcg acgatgggtc tgttgctatg aacacagcag tcgggtccctg tcattgtcca 60  
cccaggagtg gccttggttaa ttccaagtgg catgtatctt ccctctgagc ttcatttctt 120  
caagatgctc tgggtggtgg gatgggagac catcctgcag ccctcctcag accttatcaa 180  
ttcattgaga gattgcaaag ctgaaagcac ctccggccac tcctgggaga cagacccttt 240  
ggatgatgaaa taaaccagtg acttcagagc ctatgggtctc aactgtgctt gaaaaacact 300  
gtctctgaaa acaactttgt gattctccct gctccctgtg gacaaaagca cataattctg 360

ctgttacggg tacttgnstc atacgagctt tcatgttcag catgcaatgg aatcatgctt 420  
gtccatgtga aataaatatg gctctctcgt gtccttaaaa aaaaa 465

<210> 180

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<400> 180

cttgggttca gggaaaccag agattatacc aagacgggtc attctgcgcc atggaaaaca 60  
tccttggnat ttaattgctg ctgacaataa aggtaagggc tgggcttgga tacagcattc 120  
cccagataga gatgctagan aaagtgcata gctatggggc gcacagctct gtttgccttc 180  
atcattgtaa cccgtagaaa gaaaacttga gtaagggtcaa ggtttccatg ctttccttaa 240  
agtgtggagc cttttattcc atgaaaaggt tatacaaaaa tccagggttat caagcaaata 300  
aacaagcagt tcttactcag ataaacaaga tacacccctt caccctacct gctcaatttc 360  
tctttctcca ctcccccaaa cccacctcca ttgtagttcc tgcagggggc cccgtaagyt 420  
tattttgaaa atcactaggg tgggctkggg cgcggtggst tcaggatgtw aatyccagca 480  
ctttgggggrg ggcccnngga aggcagttca ttttgggggc aaggggtttt tg 532

<210> 181

<211> 814

<212> DNA

<213> Homo sapiens

<400> 181

aattcggcag agtaaaattc aaataattat aagcatttgg caaaaacaag agaaaagaaa 60  
cttgccatat ttacaagct gcaatttttag aaaagcttta acttaatgat agttttatca 120  
ttgttttctt gtccaaaact tatccagggc catagaagta tgaatctaata taaaacagaa 180  
atgggaatta ttgcacagaa atgggaaata actaatttta aatcaggtcaa attggcttct 240  
tattaaatac aataattctt atgraaatca tagtacccta ttttcagaca cagctgccag 300  
tttacacatt tctcagtatc ctgaarggra aaaagtatag ccccrcttat actatgtaaa 360  
attaccaata aaatatattt atgactacag attttgcatt tttgtttaca actatttaaa 420  
gagttttatg ttgtatttag aatttcaacc tagaaaccac acagtactta aattctcctg 480  
gggtctcctg ctttctctta accatttgc taaatatat ctacctaaag gagacttctg 540  
aattgtaaat gaacttaaaa atagaatgtg gatgcaaaat atcacataag acatcatgat 600  
aacatttgaa gaaaaataa aactgtagac cctaacagtt gtgatatttg gtggkttcat 660



gtggtaatgt aattttctgk ttaattacag tactttttac aggcacagtg gkactgtctt 720  
ttttgtaaga tgcyagttgt gaaatacaat taattgcata cagtaaaagt ctgtgattaa 780  
aacatttata tacctcaaaa aaaaaaaaaa aaaa 814

<210> 182

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 182

taattcggca cgaggaacca ctgttcctta caggtaagcc agcatgatag ttagacccaaa 60  
ccatcccaat agagacttgg catgcattca acaaacatcc cagggtgccta ggggtgtgccc 120  
agcaccattc caggagctgc cagtaaaagga aacaagactg ctgtg'ggcc aggtgcggtg 180  
gtcacatct gtaatctcag cactttggga atgccgaagt gagtggatca cctgaggtca 240  
ggagttcaag accagcctgg gccaacatgg tgaaacccca ttttttactt aaaaaaaaaa 300  
aacttggggg ggggncc 317

<210> 183

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<400> 183

tataaaagaa aaaaaaaggc tgtacaaaaa tttcttttrt acagagactg trtaaaagaa 60  
aaaaaaaaag aaatacmtgt gttcttaaaa ccatttgtat attttcattt ctagaccaca 120  
ctgtagctaa ttattgttat taaatgtaa gataatttaa gtatataana taagtattga 180  
nccgggcatg gtggctcacc cctgtaaata tcagcacttt gggaaggctg aaggcggggg 240  
gtt 243

<210> 184

<211> 1148

<212> DNA

<213> Homo sapiens

<400> 184

aattcggcag aggggccata caaaaatttt ggacttgta ataccactta ctaaccgggc 60

ctgtaacact gggctaaaca aagtaagccc tgtttactca gcagtgtttg ggggacatga 120  
agattgccta gaaatattac tccggaatgg ctacagccca gacgcccagg cgtgccttgt 180  
ttttggattc agttctcctg wgtgcatggc tttccaaagg agtggagctg tragttcttt 240  
ggaattgtga acattctttt gaaatatgga gccagataa atgaacttca tttggcatac 300  
tgcctgaagt acgagaagtt ttcgatattt cgctactttt tgaggaaagg ttgctcattg 360  
ggaccatgga accatatata tgaatttgta aatcatgcaa ttaaagcaca agcaaaatat 420  
aaggagtggg tgcacatct tctggttgct ggatttgacc cactgattct actgtgcaat 480  
tcttggttg actcagtcag cattgacacc cttatcttca ctttggtggt tactaattgg 540  
aagacacttg caccagctgt tgaaggatg ctctctgctc gtgcctcaa cgttggtgatt 600  
ctacagcaac atattgccac tgttccatcc ctgaccatc tttgtcgtt ggaaattcgg 660  
tccagtctaa aatcagaacg tctacgggtc gacagttata ttagtcagct gccacttccc 720  
agaagcctac ataattattt gctctatgaa gacgttctga ggatgtatga agttccagaa 780  
ctggcagcta ttcaagatgg ataaatcagt gaaactactt aacacagcta atttttttct 840  
ctgaaaaatc atcgagacaa aagagccaca gagtacaagt ttttatgatt ttatagtcaa 900  
aagatgatta ttgattgtsa gatagggttag gttttggggg gccagtagtt cagtgagaat 960  
gtttatgttt acaactagcc ttcccagtaa aaaaaaaaaa aaaaaaatt gtaaacaatca 1020  
cttatattac tttattgcag cttcatcacc agtacattat atgttgtaat atttatttac 1080  
ctgatcattt tgatcatttt ctgctttatt ttgctaataa actgtgatgt tacttctaaa 1140  
aaaaaaaaa 1148

&lt;210&gt; 185

&lt;211&gt; 1971

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 185

gtactttaac aattcmcart actatagtay tgggaattgt taaaagtaca ttcctctgaa 60  
agataagaat cactggcttc tatgcgttc ttttctctca tcatcatgtt cttttacccc 120  
agtttcctta cattttttta aattgtttca gaggttgttt tttttttagt ttagattgtg 180  
aggcaattat taaatcaaaa ttaattcatc caatacccct ttactagaag ttttactaga 240  
aaatgtatta cattttattt tttcttaatc cagttctgca aaaatgacct ataaatttat 300  
tcatgtacaa ttttggttac ttgaattgtt aaagaaaaca ttgtttttga ctatgggagt 360  
caactcaaca tggcagaacc atttttgaga tgatgataca acaggtagtg aaacagctta 420  
agaattccaa aaaaaaaaaa aaaaaaaaaa aaaaagcaaa actgggtttg ggctttgctt 480  
taggtatcac tggattagaa tgagttaaac attagctaaa actgctttga gttgtttgga 540  
tgattaagag attgcccattt ttatcttgga agaactagtg gtaaaacatc caagagcact 600  
aggattgtga tacagaattt gtgaggtttg gtggatccac gcccctctcc cccactttcc 660  
catgatgaaa tatcactaat aaatcctgta tatttagata ttatgctagc catgtaatca 720  
gatttattta attgggtggg gcagggtgtt atttacttta gaaaaaatga aaaagacaag 780  
atztatgaga aatatttgaa ggcagtacac tctggccaac tgttaccagt tgggtatttct 840  
acaagttcag aatattttta acctgattta ctagacctgg gaattttcaa catgggtctaa 900  
ttatttactc aaagacatag atgtgaaaat tttaggcaac cttctaaatc tttttcacca 960  
tggtatgaaac tataacttaa agaataatac ttagaagggt taattggaaa tcagagtttg 1020  
aaataaaaact tggaccactt tgtatacact cttctcactt gacatttttag ctatataata 1080  
tgtactttga gtataacatc aagctttaac aaatatttaa agacaaaaaa atcacgtcag 1140  
taaaatacta aaaggctcat ttttatattt gtttttagatg ttttaaatag ttgcaatgga 1200  
ttaaaaatga tgatttaaaa tgttgcttgt aatacagttt tgcctgctaa attctccaca 1260  
ttttgtaacc tgttttattt ctttggtgtt aaagcgtttt tgcttagtat tgtgatattg 1320  
tatatgtttt gtcccagttg tatagtaatg tttcagttca tcatccagct ttggctgctg 1380  
aaatcataca gctgtgaaga cttgcctttg tttctgttag actgcttttc agttctgtat 1440  
tgagtatctt aagtactgta gaaaagatgt cacttcttcc ttttaaggctg ttttgtaata 1500

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tatataagga ctggaattgt gtttttaaag aaaagcattc aagtatgaca atatactatc 1560
tgtgttttca ccattcaaag tgctgttttag tagttgaaac ttaaactatt taatgtcatt 1620
taataaaagt accaaaaatgt gttgtgctct ttattgtatt ttcacagctt tgaaaaatctg 1680
tgcacatact gtttcataga aaatgtatag cttttgttgt sctatataat ggtgggttctt 1740
ttgcacattt agttatttaa tattgagagg tcacgagttt ggttattgaa tctgtttatat 1800
actaaattct gtaaaggagg atctctcatc tcaaaaagaa ttacataacc aggaagtcca 1860
tgtgtgtttg tgttagtttt ggatgtcttt gtgtaatcca gccccatttc ctgtttccca 1920
acagctgtaa cactcatttt aagtcaagca gggctaccaa cccacacttg a 1971

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<210> 186

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 186

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aataacaatg taattatttt yggcakascc ttgcctgact tctgaggacc tcactaagtc 60
tagttctagc cttttagtaa tggcacaact ctttcatcaa ggctttgggt tcattactgg 120
tgtctgaatt agttccactc ctagcttgac ccagatttta gtttttatta tggatttttt 180
cttcaaacct gtttatttaa tattaagttt tcatttttgg cagcatatgg atgattttat 240
ttttaataat catatctctt agtaaaactaa tggktaaata atattaaagt ataaggaggc 300
aaaattgggc caggtgtggt ggctcacgcc tgtaaattcc cgcactttng gngggctgag 360
gcaggc

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<210> 187

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<400> 187

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aattcggcac gagaaagagt tgccaaaaat aaaaaatatt attgtaagggt aaaaaatttc 60
ataaatgggc ctaatagtgg gatggatata actgaaaact aagatggtga tgaggaagac 120

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agtcaagaat aaatatacca aagtagcaaa gaaatacctg tgcaagtaga atagcttgct 180  
tcaaacagat gagatttgct ctcccaacat caaaacatat cacaaaacta cagtaattaa 240  
gtccctttga ggccagcact gactgggrta agcaaatagr taaatgggat gtaacaggcc 300  
ttatttcaac taatagggtg ttcaccactc ctagttgggt ncctgtttcc 350

<210> 188

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 188

aattcggcac gagtgtaaac accttttnata caaatgccat catcccattt ttactgatta 60  
gaaaaacttt gctattaata ggtgcaaagt ccatttcagg tataattggt aaggaactga 120  
gtgcactcat gggaagaaac cttgttttgt tttttgttcg cttttcttct tatccccctt 180  
tctcagtttt atggctggag acatgattta ttgcagccat ccattctggg ggctcatcca 240  
tcacacccgg gttgctagga gattgtggca gcagctgttt gctctgaatc agacagaaaa 300  
gttgtcaatc atcaaaggca ggtgaatagc attagaaaca cgstattgtc agacggaata 360  
attaatcaaa gagag 375

<210> 189

<211> 365

<212> DNA

<213> Homo sapiens

<400> 189

tcagacaaaa attctgtgga cagctgcgag gaattcactt ttctcttgaa actcatagcc 60  
ctctcctgaa tacatatggt gtgcactaac acttgccatt atctgaaact catagcccta 120  
tcctgaatgc atatgctgta gggtaccact tgccattgga ggtcttgagg gccatatcct 180  
gtaggagcag ggtagccatg ggacttaact actattatcc cccaaaaatg ttgtgtttgt 240  
gaattcacct gactgaggaa tccctaawta ttcatacagat atttcaaaag grtccatgtt 300  
ccmaagragg rggttttagta ttgatttttg gttgggtttg ttttatttga ggcagtgggg 360  
gatga 365

<210> 190

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

<400> 190

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ggcacgaggt taattttgaa acttatgctt aagatttaac cagggcagag gcatatttca 60
gcataaataa tggtgccatt ataaactctt atccttccta tctcaacagg aaatgagcaa 120
ttattgcttc atgcttcaat gcactgtttt aaaatactgt ttaatttggt aaagggtgtga 180
actgtttaat ttatctcaca cgttttttta aacaaatact gattggacat gcgctgcacg 240
ccaggctttg ggcttggtac ctcagggttc tcacagggga ggctggaagt ggaaacaagc 300
acatgtgtaa ctgttggtga gacagtctaa ttggtagaaa atcagcgaac aaagaagcag 360
acaaattaga aaatgaacgt aagggtgatgt gctaaaaaga gggtagccat tatgtcagtg 420
tccttcagag aaggtagcac tccctgagac cggaatggca gaaagaagtc catcctgcct 480
agcccagctt ggacttggtg agaagcaggc tgataaaaga accaaatatt gtacattttg 540
aagaagttgc ccgctgactt gagagagagg tgttgcggtt cagggtgctga atgtccttat 600
aaaaagttga atatttcgag catctctatc aatacatttg aatgctgaga gcttttcctt 660
ccagaagctc atgtcatttt caacacacac ttctatttac ctttatgtag tttctaaaaa 720
ttgaaaacca gaattggagg tttttttaa aaaaaaaaaa aaaaaagccg aggkgggnaa 780
agtamaaatg ngcctkwgcc ntctccttcc cccgtcc 817
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<210> 191

<211> 590

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<400> 191

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aattagaaag tccaaagtcg acccaaattg atattatggg cagaagtatg gtagagcaat 60
ccaaacaatt gggattatga atgggaaggt tgtaaaccct atattatttg cgtgtacgaa 120
ggaagaatcc tgtgacaagc acttactcca aaatgagtct acagttatac caagtggata 180
gtagaactta tctactggat ttccgtagta ttgatgatga aattacagaa gccaaatcag 240
ggactgctac tccacagaga tcgggatcag ttagcaacta tcgatcttgc caaaggagtg 300
attcagatgc tgaggctcaa ggaaaatcct cagaagtttc tcttacctca tctgtgacct 360
cacttgactc ttctcctggt gacctaacct caagacctgg aagtcacaca atagaatttt 420
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ttgagatgtg tgcaaatcta attaaaaattc ttgcacaata aacagaaaaac ttgcttatt 480  
tcttttgcag caataagcat gcataataag tcacagccca atgcttccca ttgtaatcca 540  
agttatacct aatttttaac cggggggtng ggntttngga ttgcaatttg 590

<210> 192

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 192

ggcacgagaa ataaccagct gacagcatga cgacaggata aaatccacac ataccattac 60  
taaccttaaa tgaaaaatggg ctaaatgctc ccattgaaag acacggggca agctggataa 120  
agaaccaaga cccactggag tatgctgtct tcaagaaacc catctcacat gcggtggcat 180  
acataggctc aaaataaagg aatggagaaa aatatttcaa gcaaatggaa aacagaaaaa 240  
agcagggtgtt gcactcctac tttctgacaa aacagrctwt gcggnntaaa ggkkaaaaaa 300  
gnggaagg 308

<210> 193

<211> 343

<212> DNA

<213> Homo sapiens

<400> 193

aattcggcac gaggcctgga gaacctatgg tgattttcct gggcctgctc attgcccacc 60  
attgaaccaa tcagcacaca tgtcctctct tctgagccca taaaaaccct ggactcagcc 120  
agactcacac agacatcagg actaccagct gcgggaagga gctagccatc tcaggtctcc 180  
ttgaatcatc cagatgacct gcctgtggaa aggagctacc catcacaggt ctacttcctg 240  
atgagaactg gacattcttg ggatgacttg cctgcagaaa ggagcgacat attttggttc 300  
tyctgagagc tgttctgttg ctcaatgaag ttccttcattg cag 343

<210> 194

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 194

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aattcggcac gagaggtgat atacatgata cattctcaag agttgcttga ccgaaagtna 60
caaggacccc aaccctcttg tcctctctac ccacagatgg ccttggaat caattcctca 120
ggaattgccc tcaagaactc tgcttcttgc tttgcagagt gccatggtca tgtcattctg 180
aggtcacata acacataaaa ttagtttcta tgagtgtata ccatttaaag aatttttttt 240
tcagtaaaag ggaatattac aatgttggag gagagataag ttatagggag ctggatttca 300
aaacgtggtc caagattcaa aaatcctatt gatagtggcc attttaatca ttgccatcgt 360
gtgcttggtt catccagtgt tatgcacttt ccacagttgg acatggtgtt agtatagcca 420
gacgggtttc attattattt ctctttgctt tctcaatgtt aatttattgc atggtttatt 480
ctttttcttt acagctgaaa ttgctttaaa tgatggttaa aattacaaat taaattgtta 540
atttttatca atgtgattgt aattaaaaat attttgattt aaataacaaa aataatacca 600
gattttaagc cgtggaaaat gttcttgatc atttgcagtt aaggacttta aataaatcaa 660
atgttaacaa aaaaaaaaaa aaaagtcgac                                     690
```

<210> 195

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<400> 195

```
tggaatctgg ctagaaagca gtaataaaca gaaatctgta tatgtttgga aaaagtaaat 60
ctcaatggaa atcagaaaat attttgaact gaaatttggt gatgaaaata ctatatatgg 120
aaacttggtg gatataattat agctaaagct gtgttagagg aaatttagag ccttacataa 180
atacatatat tataaaaaggg aaaatattaa aagttaatgg anctaaggca tccatct 237
```

<210> 196

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<400> 196

```
cccagagta gacacatctt agtatgtact cagctttggg caaaanatag atggcgtcac 60
ctttcttcgc atgctgagct ccatagtaga ttgaggactt gggttggaag cagtaaggta 120
attgccaaaag cccattatc aggtgggtac acatagagct tttgggagga acagatgcca 180
taagttatca gtttagtctt acctctctt tagagggaaa agaagttgga gaaagcgtct 240
gcagctaaca aaaggtactg nccttggt                                     267
```

<210> 197  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (406)  
<223> n equals a,t,g, or c

<400> 197  
attgccaatg ataaaatttg aactttcaag caaaaatgca aattttggaa aatgtgttat 60  
ttctgccact gagaacataa cagcatacca acacttttag actttttact tttatattgt 120  
ataatgaatg catcaacatt tggatgatct gtattacagg tgaaccaaca ttttccagta 180  
ttagtggtgg ggaatgaccg tgtcwgaagg cttgaccagg atggggatag ctcaaggagg 240  
caggatggct cattgcttat gtcttcttca ggaacacaat gaagtaggtt gagtttccag 300  
gatttggtccc ctgcattggg gatgggttga ggaaaggcca aaaacctagg ttcttycags 360  
ccatgggctt taaaaaacgt ggtacttttt aaggaacagg gttcanggca ggggtgtttt 420  
tggggctagg gttaaggaaa atg 443

<210> 198  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 198  
gaaaatgtgc ctttttcagt tgtcacagmt ggggaatgtt actggcatcc ggtgggtaaa 60  
ggctagggat gctgctagac attctacggt gcacaggaca acccccacaa caaagaatta 120  
tctagcccaa aatgtcaaca atgctgaggt tgagaagycc taggaaacta aaacagtgtg 180  
ggggtttgta atttattgga aacctatgt 208

<210> 199  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<400> 199  
attggttttg gccatgacac tgatttcctg gaggcaaggt gctgcttcya ttcaggaatg 60  
ggggtgcatg actgccctga gcagccaagg agccaattct ttaggaggct gagtgccatt 120  
tcagctcaag ctttcacggg gcagggccaa aagcaacttn gaggggtggg tggagcatct 180  
tccactgcag cttggcccca agaaataggw tgtagcagca gytcagcttg tgggatggtg 240  
cgcaacaatt tggggggg 258

<210> 200  
<211> 893  
<212> DNA



<213> Homo sapiens

<220>

<221> misc feature

<222> (870)

<223> n equals a,t,g, or c

<400> 200

```
aggggtagtt tccacaatct aatccgggtg ccatcagagt agagggagta gagaatggat 60
gttgggtagg ccatcaataa ggtccattct gggcagtatc tcaactgccg ttcaacaatc 120
gcaagaggaa ggtggagcag gtttcttcat cttacagttg agaaaacaga gactcagaag 180
ggcttcttag ttcatgttct ccttagcgcc tcagtgattt tttcatgggtg gcttaggcca 240
aaagaaatat ctaaccattc aatttataaa taattagggtc cccaacgaat taaatattat 300
gtcctaccaa cttattagct gcttgaaaaa tataatacac ataaataaaa aaatatattt 360
ttcatttcta tttcattgkt aatcacaact acttactaag gagatgtatg cacctattgg 420
acactgtgca acttctcacc tggaaatgaga ttggacactg ctgccctcat tttctgctcc 480
atgttggtgt ccatatagta cttgattttt tatcagatgg cctggaaaac ccagtctcac 540
aaaaatatga aattatcaga aggattatag tgcaacttta tgttgaaaga atgaactacc 600
tcactagtag ttcacgtgat gtctgacaga tgttgagttt cattgtgttt gtgtgttcaa 660
atTTTTaaat attctgagat actcttgtga ggctactcta atgccctggg tgccttggcc 720
agTTTTtagaa ataccagttg aaaatatattg ctcaggaata tgcaactagg aaggggcaga 780
atcagaattt aagctttcat attctagcct tcagtcttgt tcttcaacca tttttaggaa 840
ctttcccata aggttatgtt ttccmgcccn rggsatgggg ggtcattggg gcc 893
```

<210> 201

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (493)

<223> n equals a,t,g, or c

<400> 201

```
aaactcactg gctgaaggag gaaatttttag aaggaagcta ctaaaagatc taatttgaaa 60
aactacaaaa gcattaacta aaaaagttaa tttycctttt gtctgggcag tagtgaaaat 120
aactactcac aacattcact atgtttgcaa ggaattaaca caaataaaaag atgccttttt 180
acttaaacac caagacagaa aacttgccca atactgagaa gcaacttgca ttagagaggg 240
aactgttaaa tgttttcaac ccagttcatc tgggtggatgt ttttgcaggt tactctgaga 300
atTTTtgctta tgaaaaatca ttatttttag tgtagttcac aataatgtat tgaacatact 360
tctaatacaa ggtgctatgt ccttgtgtat ggtactaaat gtgtcctgtg taccttttgc 420
acaactgaga atcctgcagc ttgggtttta tgagtggggg catggaataa ttatgggggn 480
atgtaaaaaa aanaaaagag ggg 503
```

<210> 202

<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<400> 202  
catgtgatca tttatgtgta tacagagtaa ttataaaatg tttgctgtgt acaaaaactat 60  
tttatttagtg gatttttaaat acattaaatg ggtatatata gtatatatga tctaggagta 120  
tatataggga actctaacaa atttataata tttatttttt aaaagaatga ccaaacatgg 180  
caaaatatta ctatgagtta gatctggaca gtggatgcaa gggcttccat tatgttattg 240  
tctgattttg tgttgaactt atttcacaat gcagaggaaa aaatagtcct ggctcatcct 300  
tagatatcac tgttcataga gccagtcacc aggacgatcc cacnttttat ggtggggccag 360  
gcattgggag tccagagccc atcacccaac naccaagtga cgggtgggga cncctggtgag 420  
cctgnaaagg gggccatc 438

<210> 203  
<211> 876  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (778)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (786)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (804)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (835)

<223> n equals a,t,g, or c

<400> 203

```
cggcgatata tactaaattc gcgcgtgact tcatgagtag tagtgaatac aatcttcctg 60
cttctaagct tgtgtctact agaatgtctt cccctaataa gatataattg aatgtttccc 120
atgtttcttc tagtacttta atgcgtttca ttttcataty gaaatcattg atctacttct 180
agtttykgat acaamatgtg agccaggaaa cccagttttt aaatttcaaa tagctgtcca 240
ggtgtccctg cacctcttat gcatgagccc tcgctttgtg ccaatgtgga gtgcccgcct 300
gctcacacgt gcccatgtgg agtgcccgcc tgctcatgtg cccatgtgga gtgcccgcct 360
gctcacacat gycgatgcgg agtgcccrcg tgctcacaca tgcccatgtg gagtgcccg 420
ctgctcacac gtgcccattg ggagtgcgg cctgctcaca cacgtgtcca tgtggagtgc 480
ccacctgctc atgtgcccatt gtggagtgc cacctgctca catgtgccga tgtggagtgc 540
crrctgctca cacacgtgcc catgtggagt gcccgctgc tcacrygtgc cgatgcggag 600
tgcccgcctg ctcacacgtg ccgatgcgga gtgcccgcct gctcacacgt gccgatgcgg 660
agtgcccgcc tgctcacacg tgcccatgcg gagtgcccgcc ctgctcacac gtgccgacgc 720
ggagtgcgg cctgctcaca cgtgccgacg cggagtgcgg gcctgctcac acgtgccnac 780
gcggantgcc cgcctgctca cacntgccga cgcggantgc ccgcctgctc acacntgccc 840
atgtggagtgc ccgcctgctc acgttgccga tgtgga 876
```

<210> 204

<211> 1504

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1494)

<223> n equals a,t,g, or c

<400> 204

```
tgtnytccmt gtgcnacaac cygcygcaga ctggggcccy tctcagttaa ttgggtttca 60
caagcaataa tttctccaca acaaaaacca caacttgaag tgagttgaaa agagatcaat 120
agtggaaaca gtcgcctcag tactttttct ttctggattt catctctaga aatttgaagt 180
gtttgagaca gagtccaccc tttgtgcaag gcgagaacca atgaatggac tccttggtgtg 240
aattattgca tcttcttcca aagcagggtc atcaagactt tcacagagat tcatttttgt 300
tgagaagtaa ggggttaatag gaggatagaa tttggatcca aatctagtga taaaagtgtc 360
caagcaatca aaaagtaaga tatttttaggg acataccaac atcttccctt tctgctaatt 420
tcatgctcca aagatatrgc aaaaaaaaaa atcataaaaa gtgcttttgc cctacttgtg 480
ttctagtttt cccatggcag aattttgtaa ttacatccag aatatagtgt atattttgtt 540
cctcaaactt tattacattg gatggatatt gttgractgg ggcactgggtg cctatatcca 600
aggctcttct ctatcaacgt gtctgtccac gatttgtttg gtttaaagct tcattttgaa 660
aaatcactgt cccctgtgtg gtagtgactg tattgttttg ttcattgtcta tgtgggacac 720
attgcatcac atggcaaacc aactctctgt ggatgtgaga taagtactta taaaaccagc 780
ttgaaaacat cgtcttatgt attatgtcat cctgcatcat aatgcaatta tgtgtatcat 840
aacatgctca tttaaaaaaa gagaaaccag caaattcatg tttgtccata gaagaatgta 900
ctcagaactt tgtgttgtga aacgatgaga acagaccacc tttaagatac ccacctgcca 960
cttaaaatga cttagttata attagtagta gtctagacgt tgttcttggg gtgtgggggt 1020
caattctaac gtcatgttct tttgaataaa tctctcagtc atatttgaaa aaaaaatata 1080
tggaataaaa gaaaaatata atctttggcc aaatcaagca ggcattcttt ttcttttctt 1140
tgacgtttag ctcatctata gtggtgattg gatcacgaga tctgtccgtg tgaaaatata 1200
gaaacatcct ttagtttaca aaacagttat tctaggcttg aagcctctgg aacagcaaatt 1260
tgaatagatg ggctgcatct gatttgcttt atggatgtaa ttttacaata cactcttggg 1320
tctctgacct cagggagtta agagtgtcca gaggaggtcc tacacattaa aggataaagc 1380
ccccagtgta tgctggcagc aaatgtgttg agttcttaaa tcttccattt ggktttctgk 1440
ttcagggttt taattgcaat ggattttntt tccccggtt tttcttaagg gccncatttt 1500
ccca
```

1504

<210> 205

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<400> 205

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agtcttgctt ctaatgcact tgtccacatc gtatgtcatt acaagtnctt ccccttcttt 60
aaccagaggg catagaattg gggcttagtg tgcctaaac aagctaaaag attccacctg 120
tagaatcata aaatgagagt ctacacagc ttcatgtac ttttgtctc ttcagcaagg 180
aacggttgct gggattgtca gtgaccaggc atgtctggat agcttcacac atacacataa 240
tgcccgttcc acctcagccc acacatgttc tagaagtagc cacttgccaa gtgtcagtgt 300
tcagtctaaa cagcaaatgg gtttaaccaca tgaacagcac tggcccatgt gagaatgggtg 360
tgaaggcctc ctttgtacca ttttccattt ctctaactca catgtgtagt ctacagcactg 420
cagaggacag atttgtttgt gccctctgag actggttggt tgggttggtg gttagttttg 480
```

ttttatgaat cctaaaattt gtcttggsc tttaaaaaaa aaatt

525

&lt;210&gt; 206

&lt;211&gt; 2494

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2471)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2485)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 206

caaaagaaaca ttggaacaa tttctaataga agaacaaaca cctcttctta aaaagattaa 60  
cccaaccgaa tctacttcca aagcagaaga aaatgaaaaa gttgattcaa aagtgaagc 120  
tttcaagaaa ccattgagtg tatttaaagg ccccttacta cacatcagcc cagcagaaga 180  
actgtacttt ggaagtacag aatccggaga gaagaaaacc ttaatagtgt tgacaaatgt 240  
aactaaaaat atagtggcat ttaagggtgag aacaacagct ccagaaaaat acagagtcaa 300  
gccaagcaat agcagctgtg acccggtgac atcagtgat atagtgtgt ctccccatgg 360  
gggtttaaca gtctctgccc aagaccgttt tctgataatg gctgcagaaa tggaacagtc 420  
atctggcaca ggcccagcag aattaactca gttttggaaa gaagttccca gaaacaaagt 480  
gatggaacat aggttaagat gccatactgt tgaaagcagt aaaccaaaca ctcttacgtt 540  
aaaagacaat gctttcaata tgtcagataa aaccagtga gatatatgtc tacaactcag 600  
tcgtttacta gaaagcaata ggaagcttga agaccaagtt cagcgttgta tctggttcca 660  
gcagctgctg ctttccttaa caatgctctt gcttgctttt gtcacctctt tcttctattw 720  
attgtacagt taaagaagtgt gtgcccggta ggaaccacgg ttccttcgtc cattagtgg 780  
aaaagtaaca gacctaaac tctaccaagc tactaaaamc attgcacatc tgtgcttctt 840  
aaaaggaaat atgcagcacg tggaggggaa cacatacatg tcttgaaaat aaactgctag 900  
aataaagaaa tgctggagaa attgattata agagactata gctatttagt aaagtaagta 960  
aaggcatatc cattgtgtaa attaatagtt taaatataat ttattttttc cttttgatct 1020  
gaatactttt aaagcttaag ttttatcgtg taaatacatt agctaaactg aaaagtataa 1080  
gtaacatgct ttgttgacgc caaaaaatgt aatctgcttt tttatgacag aattattata 1140  
gctgagctga cttactagct tttctatact atgtatatag aagaacatgt atattgagaa 1200  
agaaaacata cttatataga ggaatttatg taaccatgac tttgtaattt tgagaattcc 1260  
tcccagtgat ggtcagtatt cttttggaat gtaaacggat ttaatgccaa accaccttaa 1320  
cctttgtttc tcagtgttcc ttaacagcct gccttttatt aatctcaggc ttttttatga 1380  
acactctcat ttcagtagaa tttggaaaac taagcgtggt tggaatttct ttgaattctg 1440  
ttagtaatgc ccaaaagaaa agtctcaagc agtcccccta tccagtcatt tttatggagt 1500  
ttcatgttgt ccactatagc tggacactga accttttgcc taatttatta taaaggcctg 1560  
acctcttatt gtcccatctt cccccctt ccagagcaga ggagtctctg tggaccatga 1620  
attgcactgt ctccctctc atttctaaat gaaaggtatt agatataaat ttttttgaaa 1680  
ggttagtgtt ttgagatgct aagcaggata ataaatttag attttaaaat gttccctgta 1740  
aaagtcagcc catgacaagg aaatttacaa aatactagag tatctagaag ggtgaaaaca 1800  
aaaaaaaaawa aaaraaaaca cagacgcccc ggtgtcagct ctccgtttta agaatgaaaa 1860  
atgtaactca tgatgatctg tgaaaccttc aaactaggac caattgactt acttgatatt 1920  
ctgcctttga tatggtagta cccacccggt attcctaaaa tcctaaaaag atacaccttg 1980

cagtagcaga ggcaatgaca tgagtttgtt ttctcattaa tatgaccagt ttgggtctat 2040  
gttggttcac atgtacatct actttatatg aaagaaaaaa cagttgtctg cctgtaaaat 2100  
gttgagtttc gattgagcca tgtttggaga ttttattact attctgaagg gtagtgttgt 2160  
tggttttcat cttcaagaag ttgattccaa aactgagtta tgaagaatga tataacagtt 2220  
ccttcaaaaat tggcctagga aataaaacct taaaaggaca ctggtgtgct actttgtctt 2280  
aatttgggct tttctgtttc agtttgccac ctccagctgt gaaatggact gcagtccacc 2340  
ctaagtactg tgcacagtat ctccctgtgt gtgtgcacag tggcttcccc ttacatggta 2400  
gatttttggc cttaatataa tctaatacca aagtagttgt gtatgttttc tgttccttgg 2460  
caataaaatg naggaataat ttagnccaag attg 2494

<210> 207

<211> 880

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (864)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (865)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (868)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (878)

<223> n equals a,t,g, or c

<400> 207

gggcacgagc tttgacccat tcaaggatgt ctctgcctgg agaactagat cctgactcag 60  
tggcagcata gggtctcccc cagggtgggtg ctgaacttca gctcagaagc agcctggacc 120  
ccatcttacc tccagataag gtgttttagg tactctgttg ccagtgttag tgcaacttag 180  
tttaaaaata gaggacttgt tcacagtatg ctctaagtct cacactggag ttttgtgcaa 240  
cataaagtag gtgatttttg agcagagcga agtctagaaa ttgaccttaa attatttgtg 300  
gtactctaga gaacgtggta tgtgtatgtg tgtatgtgtg tttgaatata ggaactagtt 360  
cattgaacgt tagattgttc taagaccaga attagattaa aaatgcataa catattaagt 420  
attaaaaagt gtttatattg tatatgaatt ttttgcggta agtttagctt ggcatttttag 480  
gttttaattg atgcttaatc tgttaaaatg atgtactgta ttttaaagta ttctaattgt 540  
gcttttttgt accatcttca gtatgaaaaa tgtcagtatt tagttccttt cttaggcaca 600  
attagatttt tattgacatt gttttcccc ttaactcatg taattagtca tagcaaccaa 660  
gagtcaagag agtgattacc agccaattaa gaaaaatgtg accaagcaga ttgcagagta 720  
caataaaacc atcgtggatg ctttacatag catcagcgga aactgagttt aagtccactg 780  
aaagtctcta aggaagtatc ctcttgctgc taaacttggg acaagttgac taccaaaaaa 840  
aaaaaaaaaa agccgaggkg ggcngtnc aagggccttg 880

<210> 208  
<211> 640  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<400> 208  
tnagngaattg gacttggtctc tgtaaaggat ggggaacctc acttcgtggt ggtccactgc 60  
acaggctaca tcaaggcctg gccccagcag gtgtttccct cccagatgat gacccagcct 120  
gagggtcttcc aggagatgct gtccatgctg ggagatcaga gcaacagcta caacaatgaa 180  
gaattccctg atctaactat gtttcccccc ttttcagaat agaactattg gggtgaggat 240  
aaggggtggg ggagaaaaaa tctctgtttg tttttaaaaa gcaaactctt ctgtaaacag 300  
aataaaaagt cctctccctt cccttccctt acccctgaca tgtacccctt ttcccttctg 360  
gctgttcccc tgctctgttg cctctctaag gtaacattta tagaagaaat ggaatgaatc 420  
tccaaggctt ttaggactgt ctgaaaattt gaggtcgggt gaagttaaaa cacctttcct 480  
tatgtctcct gacctgaaat tgtatagtgt tgatttgtgc tgagatcaag aggcaggtta 540  
gawgaacctg acatccactg yttgccttgg atagtatggc ttgwtttttg aaagaaattc 600  
tgaagagwgt ggaaggagag gagaaatgtc ctcatatttg 640

<210> 209  
<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<400> 209  
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agggtggggra acataaccag atttggtcgg catgkaactt gtgccaaatt tcctccaaaag 240  
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<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<212> DNA  
<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (660)  
<223> n equals a,t,g, or c

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<210> 213  
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<212> DNA  
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<220>  
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<212> DNA  
<213> Homo sapiens

<400> 214

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<220>  
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<223> n equals a,t,g, or c

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&lt;213&gt; Homo sapiens

&lt;400&gt; 216

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tttctttcag taagacatac caaagtttgt gtaaactctc attactttt ttccttaggt 2820
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gctgacaggt ccatgctgct ccagatttta ctttttcttg cccccagttt tttgggtcat 2880  
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ggacctgagg agttattaac gatcggaag atttcagggc ggatgaaact ctcctacaaa 3060  
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<210> 217

<211> 1529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<400> 217

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ccaggagggc ctcatctgca cctgggmccg gccgggcaag gcgttcacag acgaggagagc 180  
cgaggccccag acaggggaag gaagttggcc cagggtcacc agcaagtcag tggtagagg 240  
catctcctcc caaccaggca actccccgag tggcacagtg gtgtgaagcc atggatatcg 300  
ggccccccca accccatgcc cccagcctcc tagccataac cctccctgct gacctcacag 360  
atcaacgtat taacaagact aacctgatg gatggactgc tccagtcccc ccacctgcac 420  
aaaatttggg ggccccccag actggccccg acacgggnga tgtaatagcc cttgtggcct 480  
cagccttgtc cccacccac tgccaagtac aatgacctct tcctctgaaa catcagtgtt 540  
acctcatcc ctgtccccag catgtgactg gtcactcctg gggagasact cccgccccct 600  
gccacaagag cccaggtct gcagtgtgcc cctcagttga gtgggcaggg ccgggggtgg 660  
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cccttcccca cctcctggga aaaaaaaaaa 1529

<210> 218

<211> 1100

<212> DNA

<213> Homo sapiens

<400> 218

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ttgttaaagg ggcagtagta ctttgtggga gccagttcac ctcccttcct aaaattcagt 180
gtgatcaccg tgtaaatggc cacactagct ctgaaattaa tttccaaaat cttttagta 240
gttcataccc actcagagtt ataatggcaa acaaacagaa agcattagta caagcccctc 300
ccaacaccct taatttgaat ctgaacatgt taaaatttga gaataaagag acatttttca 360
tctctttgtc tggtttgtcc cttgtgctta tgggactcct aatggcattt cagtctgttg 420
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tttttttagta ttagcttgat tattgactct tctattttaa tctgmttctg taaattatgc 540
tgaaagtttg ccttgagaac tctatttttt tattagagtt atatttaaag cttttcatgg 600
gaaaaagttaa tgtgaatact gaggaatttt ggtccctcag tgacctgtgt tgktaattca 660
ttaatgcatt ctgagttcac agagcaaat aggagaatca tttccaacca ttatttactg 720
cagtatgggg agtaaattta taccaattcc tctaactgta ctgtaacaca gcctgtaaag 780
ttagccatat aaatgcaagg gtatatcata tatacaaatc aggaatcagg tccgttcacc 840
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taaattagrt actattagca tattattaat ttaatgtctt tatcattgga tcttttgcac 960
gctttaatct ggttaacata tttaaatttg ctttttttct ctttacctga aggctctgtg 1020
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aaaaaaaaa aaaaaaactc 1100
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<210> 219

<211> 1792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<400> 219

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agcagcagcg tcccgtacgg ctgcaggac tcggtgcaca gcagccctga ggacggcggc 120
ggcggcgsgg accgcmtggg cgggaccggc gggccgcgcc tggtagtcgg ctccctacca 180
gctcacctct cgccgcacat gtttggagga tttaagtgcc ctgtatgctc aaaatttga 240
tcctcagatg aaatggattt gcatcttgta atgtgtttaa caaagccacg aataacctat 300
aatgaggatg tactgagtaa agatgctggg gaatgtgcaa tatgccttga agaattgcag 360
caggagagata ctatagcacg actgccttgt ctatgcatat atcataaagg ctgcatagat 420
gaatggtttg aagtaaatag atcttgccct gagcaccctt cagattaagc gtcannntcc 480
tgttttatag gttttcttgt cttgacaaga tgcttgaaaa accaagagga yatgaaaaatc 540
tgtctctgga gaaacaaaga cgcaggcata ctcagccaga aatctgagtt ttgtgagact 600
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tggtaataca gagatggaca atcgtactgg ggtaaaaaaa ccctgctgaa gagaggacag 660  
tgaccacaga actcagtgtg ccaaaccatgc atacaaagga cacacagga ttttgaaaat 720  
gctgcacatc ccttaatagt catctacata ggtaatactg ataaacattt tgtattcaga 780  
cgccaaagt aactgattta aaagttgatt tactttttat taagttctcc agagctgcac 840  
aactagttat gttttgattt gttttgtttt ttaatttggg gtctctttgt tttcccaac 900  
ataatgttca taatgtttct gcattcatct gttcttaaat tgaaaaacat ataatttact 960  
tcttataaat tgaagtctta aatgtgaaac caagaaatgt aatcaagcag taaaaacatc 1020  
tgaatgtaga ccatgatctc aagttcttcc attttctccc ccacgagtgg aaaatagact 1080  
tctacatagg aaagctaaaa tatgttaata tttttaaat aaaggtttaa tatcagaatg 1140  
cagtccaaag agcaaatcat attacataat tacattttaa ttaaataatag aatattctac 1200  
tgaattgcaa tttattaaat attcttatcc tcttaataaa aactgctcaa cagttaatca 1260  
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gattttatat acctttaaaa actgtaattt aattgggatg ccaggtttat agcaatttgc 1560  
aactttaatt ttccagataa tctggagggt agcatttgat aaatgatttt ttaaagtaga 1620  
tatgaagatt ttgttaattt ataatttatt catgtgttat tactgtaatt gaaaatgtta 1680  
tagacacttt taaattcagt ttgtgtagaa agaaatgtgt taaacaaaat tatgttaata 1740  
aatattcccm cataataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1792

&lt;210&gt; 220

&lt;211&gt; 1310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

tctgcctggg atgtaaaccg gaccagccgc tgcgggcaga aggaaggctc ttggctcctt 60  
cgggaaaccc agccccgtca ccgggctccg agcggctcgc aggcgacgac acgkcctcag 120  
ccccggcagc gccyagcgkc ggctgcggaa agcggaggga gtccgacgcg ggcgcgggcg 180  
gggagcgtgc gtccgttcgc acaggcagcg ggaggagggg cggcgcgaac catggccggg 240  
gacagcgagc agaccctgca gaaccaccag cagcccaacg gcggcgagcc ctcccttata 300  
ggcgtcacgg gggaacagct agcggcaagt ctcccggtgt tgctaagatc gtgcagctcc 360  
tggggcagaa tgaggtggac tatcgccaga agcaggtggg catcctgagc caggatagct 420  
tctaccgtgt ccttacctcg gagcagaagg ccaaagccct gaaggscag ttcaactttg 480  
accacccgga tgcccttgac aatgarstca ttctcaaaac actcaaagaa atcactgaag 540  
ggaaaacagt ccagatcccc gtgtatgact ttgtctccca ttcccgaag gaggagacag 600  
ttactgtcta tccgcgac gtggtgctct ttgaaggat cctggccttc tactcccagg 660  
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agtacattac gttcgtcaag cctgcctttg aggaattctg cttgccaaac aagaagtatg 840  
ctgatgtgat catccctaga ggtgcagata atctgggtggc catcaacctc atcgtgcagc 900  
acatccagga catcctgaat ggagggccct ccaaacggca gaccaatggc tgtctcaacg 960  
gtacacccc ttacgcgaag aggcaggcat cggagtccag cagcaggccg cattgacccg 1020  
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catctgtaca tactgtttcc tatgacatta ctgtatttaa gaaaacacca tggagatgaa 1140  
atgcctttga tttttttttt cttttgttac ttggaacga caaaatgaaa cagaacttga 1200  
ccctgagctt aaataacaaa actgtgccaa ctactactgg tgatgcctaa ttatgaatcc 1260  
aacgtgtaac cagttataaa tacatatata tataaaaaag gaaaaaaaaa 1310

&lt;210&gt; 221



<211> 1369

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<400> 221

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agcacagttt ggaacaacag cagagatata tgcctatcga gaagaacagg attttggaat 120
tgagatagtg aargtgaaag caattggaag acaaagggtt aaagtccttg agctaagaac 180
acagtcagat ggaatccagc aagctaaagt gcaaatctct cccgaatgtg tgttgccttc 240
aaccatgtct gcagttcaat tagaatccct caataagtgc cagatatctt cttcaaaacc 300
tgtctcaaga gaagaccaat gttcatataa atgggtggcag aaataccaga agagaaagtt 360
tcattgtgca aatctaactt catggcctcg ctggctgtat tccttatatg atgctgagac 420
cttaatggac agaatacaga aacagctacg tgaatgggat gaaaatctaa aagatgattc 480
tcttccttca aatccaatag attttcttca cagagtagct gcttgtcttc ctattgatga 540
tgtattgaga attcagctcc ttaaaattgg cagtgtctatc cagcgacttc gctgtgaatt 600
agacattatg aataaatgta cttccctttg ctgtaaacaa tgtcaagaaa cagaaataac 660
aaccaaaaat gaaatattca gtttatcctt atgtgggccc atggcagctt atgtgaatcc 720
tcatggatat gtgcatgaga cacttactgt gtataaggct tgcaacttga atctgatagg 780
ccggccttct acagaacaca gctgggttcc tgggtatgcc tggactgttg cccagtgtaa 840
gatctgtgca agccatattg gatggaagtt tacggccacc aaaaaagaca tgccacctca 900
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aataagtcca gacaaagtaa tactttgctt gttaaagat gtgatagaga taaagttatc 1020
taacaaattg gttatatctt aagatctgct ttggaaatta ttgcctctga tacataccta 1080
agtaaacata acattaatac ctaagtaaac ataacattac ttggagggtt gcagtttcta 1140
agtgaactg tatttgaaac ttttaagtat actttaggaa acaagcatga acggcagctc 1200
agaataccag aaacatctac ttgggtagct tgggtgccatt atcctgtgga atctgatatg 1260
tctggtagca tgctattgat gggacatgaa gacatctttg gaaatgatga gattatttcc 1320
tgtgttaaaa aaaaaaaaaa aaaaatngct gcggccgaca agggaattc 1369
```

<210> 222

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (636)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 222

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tgcccgggac cttctcgctt tcatctagcg ctgcactcaa tggaggggag ggcaccgcag 120
tgcttaaatgc tgtcttaact agtgtaggaa aacggctcaa cccaccgctg ccgaaatgaa 180
gtataagaat cttatggcaa gggccttata tgacaatgtc ccagagtgtg ccgaggaact 240
ggcctttcgc aagggagaca tcctgaccgt catagagcag aacacagggg gactggaagg 300
atggttggtg tgctcattac acggtcggca aggcattgtc ccaggcaacc ggggtgaagct 360
tctgattggt cccatgcagg agactgcctc cagtcacgag cagcctgcct ctggactgat 420
gcagcagacc tttggccaac agaagctcta tcaagtgcc aacccacag gcttgcttcc 480
cccgagacac ccattcttac ccaaggtgcc caccctttcc cttacccaaa aaatcaaggg 540
ggaaattttt acccaaagggt tcccccaact ttngggcccaa cgggnaaccc ccaaaggana 600
caaaggaggg gtattattca gggttgcccc acccanttaa ggttgcaagg aggaaaggca 660
ttttgggggg ggaacccagg tttggggccc ccaacgttng ggtataaaaa agggttgttt 720
ccaggaggag gattgggcaa agttgttcct attttctttg gttaggagcc tntttaacaa 780
aaccagctt gt 792
```

<210> 223

<211> 921

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (851)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (885)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (911)

<223> n equals a,t,g, or c

<400> 223

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gccccctctg cagtaccccc gccccctcttc tcccaccaca atgagatcct aagatggcgg 60
tggctgcggc gggtggcgct gcgtactgag gtcgaaaagg cggccactgg ggccgaggca 120
gccaggaaac gtgtgggcct ctctgctgct gtctccgagg gccgaccgct gccggcggcg 180
ggctcgtgggg gctgactgtc gctctgcctt tgacaggaga ggctgcttct tgtagaggaa 240
acagctttga agtgtggagc gggaaaggag cagtttctga gctgcaaaaa ctagtttcta 300
aacagagagt taattgttaa atccagtatg gccacaggag gaggtccctt tgaagatggc 360
atgaatgatc aggatttacc aaactggagt aatgagaatg ttgatgacag gctcaacaat 420
atggattggg gtgccaaca gaagaaagca aatagatcat cagaaaagaa taagaaaaag 480
tttggtgtag aaagtataa aagagtaacc aatgatattt ctccggagtc gtcaccagga 540
gttggaaggc gaagaacaaa gactccacat acgttcccac acagtagata catgagtcag 600
atgtctgtcc cagagcaggc agaattagag aaactgaaac agcggataaa cttcagtgat 660
ttagatcaga gaagcattgg aagtgattcc caaggtagag caacagctgc taacaacaaa 720
cgtcagctta gtgaaaaccg aaagcccttc aactttttgc ctatgcagat taatactaac 780
aaggagcaaa ggtgcatttt acaagtcccc caaacagagg aaacggttgg gttcagcaca 840
gtgttaaagg nttgttttgc tttctgggtt ttaagtaatt gaccnctttg gccanacttt 900
tccgggtgtt ntgaaggagg t 921
```

<210> 224

<211> 1979

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1949)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1953)

<223> n equals a,t,g, or c

<400> 224

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ggcagaggca gagcccggtg ccgagaccaa gcgacagacc ggcggggctg ggcctcgcaa 120
agccggctcg gcgagctctc ccgacaccgc agccggggag gaaaagcagc gactcctcgc 180
tcgcatcccc gggagccgca ctccagactg gcccggtagt caggggctca ggagcagatc 240
ccgaggcagg ctttgctcag cctccgacga gggctggccc tttggaaggc gccttcaaca 300
gccggaccag acaggccacc atgaccgaga attccacgtc cggccctgcg gccaaagccca 360
agcggggcaa ggcttccaag aagtccacag accaccccaa gtattcagac atgatcgtgg 420
ctgccatcca ggccgagaag aaccgcgctg gctcctcgcg ccagtcattt cagaagtata 480
tcaagagcca ctacaagggt ggtgagaacg ctgactcgca gatcaagttg tccatcaagc 540
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gcctgggtcac caccgggtgtc ctcaagcaga ccaaaggcgt gggggcctcg gggtccttcc 600  
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tcaagaaggt agccacgcca aagaaggcat ccaagcccaa gaaggctgcc tccaaagccc 720  
caaccaagaa acccaaagcc acccgggtca agaaggccaa gaagaagctg gctgccacgc 780  
ccaagaaagc caaaaaaccc aagactgtca aagccaaacc ggtcaaggca tccaagccca 840  
aaaaggccaa accagtga aa cccaaagcaa agtccagtgc caagagggcc ggcaagaaga 900  
agtgacaatg aagtcttttc ttgoggacac tccctcctgt ctctattttt ctgtaaataa 960  
ttttctcctt tttctctctt tgatgctcac caccaccttt tgcccccttc tgttctgact 1020  
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agttgtgcaa ggacagcaac aaccaatcta atgatgagaa tgtacttata ttttgttttg 1140  
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tttgccatga aggtagatgt ggggtggggag aagacacaag gcagtttgtt ctggctagat 1260  
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gggagcagcc agccggcaaa ggaaggaggt ggaaaaaac cgccaccggg ctgacttcca 1440  
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ccctttcggc ctccctattt tcttagggaa ggggagtggt gtccaagtga cagctggatg 1560  
ggagaagcca tagtttctcc cagtgcagct aggatgtagc cattggggga tctttgtggc 1620  
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caagtgcctc agtgtgccct gttgaaactt aggtttttcc acgcaatcga tggatttgtt 1740  
cctaggaaga cttttctttt cctctggatt tttgttcttc ctgtacaaga ggtgtctttg 1800  
cttggttttg tggggctgcg gccacttaaa acctcccag ctcttttttg gtcctttttt 1860  
taaacaagtg ttacttgtgc cgggaaaatt ttgctgtctt tgtaatttta aaactttaaa 1920  
ataaattgga aaagggaraa aaaaaaagna aanaaaaaaa aaaaaaaaaa aaaaaaaaaa 1979

<210> 225

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (532)

<223> n equals a,t,g, or c

<400> 225

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attgtggata ttggccccga cagcttaaca attgaacct tgaatcagaa aggcaagaca 180  
tttttggtc tcataaacca agtgtttctt gcagaaggag acagtaaaaa agatgtggaa 240  
gataactgtt cactaatgta tttaaatgaa gccacacgc tcataatat caaagttcga 300

tatagtaaag acagaattta tacatatgtc gccaacattc tgwttgagc gaatccatac 360  
tttgacatac ctaaaatata tcttcagagc ataaagtcac atcaaggaaa atctcttggg 420  
acaagaccac ctccagggtct ttgcaattgc tgataagcct ttcggggacct ggaagggtgcc 480  
ccaagatgag tcagtctaac catggnatcc nggagaatcc agggggccggg gnaaaccagg 540  
a 541

<210> 226  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<400> 226  
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aattctgttg agcggcttcg gcggctccga ggagaagcaa tatgttaagg atacctctaa 120  
gaagggcctt agtangcctt tctaataagt cttccaaagg atgtgttcga acaactgcc 180  
cagcagcaag caacttratt gaagtatttg ttgatggtca rtctgtcatg gtggaaccrg 240  
gaackacygt cctccaagct tgtgagaagg ttggcat 277

<210> 227  
<211> 2069  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2026)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2042)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2050)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2061)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2062)

<223> n equals a,t,g, or c

<400> 227

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gggtcgaccc acgcgtccgg gcgacattag ctagecgtcg ctctactctc tctaacggga 60
aagcagcgga atacaagaga ctgaactgta tctgcctcta tttccaaaag actcacgttc 120
aactttcgtc cacacaaagc cgggaaaatt ttattagtcc tttttttaa aaaagttaat 180
ataaaaattat agcaaaaaaa aaaaggaacc tgaactttag taacacagct ggaacaatcc 240
gcagcggcgg cggcagcggc gggagaagag gtttaattta gttgattttc tgtggttgtt 300
ggttggttcg tagtctcacg gtgatggaag ctgcacattt tttcgaagg accgagaagc 360
tgctggaggt ttggttctcc cggcagcagc ccgacgcaa ccaaggatct ggggatcttc 420
gcactatccc aagatctgag tgggacatac ttttgaagga tgtgcaatgt tcaatcataa 480
gtgtgacaaa aactgacaag caggaagctt atgtactcag tgagagtagc atgtttgtct 540
ccaagagacg tttcattttg aagacatgtg gtaccaccct cttgctgaaa gcactgggtc 600
ccctgttgaa gcttgctagg gattacagtg ggtttgactc aattcaaagc ttcttttatt 660
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taccaggttc tgtcattgat gccacaatgt tcaatccttg tgggtattcg atgaatggaa 1020
tgaaatcgga tggaaacttat tggactattc acatcactcc agaaccagaa ttttcttatg 1080
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aagtcttcaa gccaggaaaa tttgtgacca ccttgtttgt taatcagagt tctaaatgtc 1200
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catatttgct attttaacat tattggaccc tgcatttata gtcctttgat ttcttccctc 1980
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anggggggcn gccctagggg nnccaagct 2069
```

<210> 228

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<400> 228

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taatgtagga actggtgaga agaagggtgac tgaagcctgg atttctgagg atgaaaactc 120
acataggacg acgtcagaca gactcacggt gatggagctc ccctctcccg agtctgagga 180
agtccacgag cccagattag gggagctctt gggaaatcca gaaggtcaga gcctggggag 240
ttccccctct caggacaggg gctgcaacag gtgacagtga cccattngaa gatccagaca 300
ggagagacag ctcaagtgtg caccaagtca ggaagaaacc atattctgaa atcagacttc 360
ttctggcttc anagagagct ccttagaagg ggggaagccat tccttgcat atcctgtngg 420
gaaaccttca cgtttaattc ggacctaat aaggcatcgg antttcgcac c 471
```

<210> 229

<211> 1640

<212> DNA

<213> Homo sapiens

<400> 229

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tgcaccacg cgtccgatgg cgactttggt cgaactgccg gactcgggtcc tgctcgagat 60
cttctcttac ctcccgggtc tgtmaccgct ggaagaggct ggtggacgac cgggtggctgt 120
ggcgacatgt cgacctgacg ctctacacga tggcgacctc aagtcagtgt gcacctcctt 180
cgaaggtaca tggcatcccc gctccattcc ctgcggatgg gtggctacct gttctctggc 240
tcccaggccc cccagttgtc cctgctctg ttgagagccc tgggccagaa gtgccccaac 300
ctgaagcgcc tctgcctgca cgtggccgac ctgagcatgg tgcccatcac cagcctgccc 360
agcaccttga ggaccttga gctgcacagc tgcgagatct ccatggcctg gctccacaag 420
cagcaggacc ccaccgtgct gcccctgctt gaatgcacg tgctggaccg cgtccccgcc 480
ttccgtgacg agcacctgca gggcctgacg cgcttccggg ccttgcgctc gctggtgctg 540
ggtggtacct accgtgtgac cgagacaggg ctggatgctg gcctgcagga gctcagctat 600
ctgcagaggg ttgaggtgct gggctgcacc ctgtctgccg acagcacctt gctggccatc 660
agccgccacc ttccgagatg tgcgcaagat ccggctgacc gtgagggcct ctctgcccc 720
ggcctggctg tgctggaggg aatgccggcc ctggagagtc tgtgcctgca ggggtcccc 780
gtcaccccag aaatgcctc cccactgaa atcctctcct cctgcctcac tatgcccag 840
ctcagagtcc ttgagctgca ggggctgggg tgggaggggtc aggaggcggg gaagatcctg 900
tgtaaggggc tgccccactg tatggtcatc gtcagggtt gccccaaaga gtctatggac 960
tggtggatgt aactactcca cctgcccttg ggacctatcc cagttttcat cattgagccc 1020
cagacctct gagcagcacc ttgaagaggg cagataatca gacttgagga aactgaaagc 1080
cccagggtga gagaacagag gcctagggac ctccagacca ttggaatcac tgtttgccag 1140
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aggatgatca tagctacctc acggttacat tgcaaagcct tactctaaaa gctcccagcc 1260
tccagaggct ctcaatgaag agtcaccttc atggctcgtc tcaggaacag gacggatgaa 1320
```

gaaggggtgg ggttaagact caggggcacc tgaggggtctg agccccctta tgagtaccca 1380  
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acgcaagaga cgcggagaga taggcgatgc agactcgcga ttcaatgatc gatatgctca 1500  
taaaagtgtc caattatatt ttctgtattt tgtatgctgt attttccaag acgtatatta 1560  
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aaaaaaaaaa aaaaaaaaaa 1640

<210> 230

<211> 1970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1952)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1963)

<223> n equals a,t,g, or c

<400> 230

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cggccccgaga gcaggaacac gataacgaag gaggcccaac ttcattcaat aaggagcctg 120  
acggatttat cccagacggt agaacaaaaa gaagaatatt gatggatttt aaaccagagt 180  
ttttaaaagag cttgagaata cggggaaaatt aatttgttct cctacacaca tagatagggg 240  
aaggttgttt ctgatgcagc tgagaaaaat gcagaccgtc aaaaaggagc aggcgtctct 300  
tgatgccagt agcaatgttg acaagatgat ggtccttaat tctgctttaa cggaagtgtc 360  
agaagactcc acaacaggtg aggagctgct tctcagtga ggaagtgttg ggaagaacaa 420  
atcttctgca tgtcggagga aacgggaatt cattcctgat gaaaagaaaag atgctatgta 480  
ttgggaaaaa aggcggaaaa ataataaagc tgccaaaaaga tctcgtgaga agcgtcgact 540  
gaatgacctg gtttttagaga acaaactaat tgcaactggga gaagaaaacg ccacttttaa 600  
agctgagctg ctttactactaa aattaaagt tgggtttaatt agctccacag catatgctca 660  
agagattcag aaactcagta attctacagc tgtgtacttt caagattacc agacttccaa 720  
atccaatgtg agttcatttg tggacgagca cgaaccctcg atggtgtcaa gtagttgtat 780  
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gattatcaag caagagccga tgggaattaga gagctacaca agggagccaa gagatgaccg 960  
aggctcttac acagcgtcca tctatcaaaa ctatatgggg aattctttct ctgggtactc 1020  
acactctccc ccactactgc aagtcaaccg atcctccagc aactccccga gaacgtcgga 1080



```
aactgatgat ggtgtggtag gaaagtcac tgatggagaa gacgagcaac aggtccccaa 1140
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agaagtgaat tcctctgset tgscacacaa gctccggrtc aaagccaaag ccatgsagat 1260
caaagtagaa gcctttgata atgaatttga ggccacgcaa aaactttcct cacctattga 1320
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aagattagat tgtgttatca ctctgcctgt gtatagtcag atagtccatg cgaaggctgt 1860
atatattgaa cattattttt gttgttctat tataaagtgt gtaagttacc agtttcaata 1920
aaggattggg gacaaacaca gaactcctgc tncattgcat tgnnttgatg 1970
```

<210> 231

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 231

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gcgagactcc gtctcaaaac aaaacaaata aaaaaaacia acagtatttt ttaggaattc 60
attttatattt aaattttgta aggaggagtt acaaaaagac aaatactaca tatgattcca 120
cttgtcatat ctagagtcaa attcatggag acagaaagta gaaagggtgt taccagcggc 180
tggaaggag agaagtgtga gtttaatggg tatagaattt tagttttgta aggtgaaatg 240
agttctggag attggttgca cnaacagtgt gaatatactc aacactactg aactgtanac 300
ttaaattgat 310
```

<210> 232

<211> 2833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (2828)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 232

ggcagaggcc agggccaagg ccgaggcgcc agggctgcga gaggcgccgg cacgacgacg 60  
gtccctcagc ccagccacca tgagcaccaa gcagatcact tgcagggtatt ttatgcatgg 120  
tgtgtgtcgg gaaggaagtc agtgcctatt ctcacatgac ttggcaaaca gcaaaccgtc 180  
caccatctgc aagtactacc agaagggtta ctgtgcctat ggaactcggg gcagatatga 240  
ccacacgagg cctctgtctg cagctggagg tgcgtgtggc accatggccc acagtgtgcc 300  
ctccccagct ttccacagtc ctcaccctcc ttccgaggtc actgcatcca ttgtgaaaac 360  
taactcacat gaacccggaa agcgtgaaaa gagaacattg gttcttagag accgaaatct 420  
ctctggcatg gctgaaagga agaccagcc gagcatggtg agtaatccag gcagctgcag 480  
cgacccccag cccagccccg agatgaagcc gcattcctac ctggatgccca tcaggagtgg 540  
ccttgatgac gtggaggcca gcagctccta cagcaacgag cagcagctgt gccctacgc 600  
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aatctgtagg ctgcaagtyt tgcaccatt cgaccagag cagaggaagg ctcacgaaaa 720  
gatctgcatg ttgacgttcg aacacgagat ggaaaaggcc ttgccttcc aggaagcca 780  
ggacaaagtg tgcagtatct gcatggaagt gatcctggag aaggcctctg cttctgagag 840  
gagatttggg attctctcca attgcaatca cacgtactgt ttgtcctgca tccggcagt 900  
gcggtgtgcc aaacagtttg aaaacccaat cattaagtct tgtccagaat gccgtgtgat 960  
atcagagttt gtaattccaa gtgtgtattg ggtggaagat cagaataaaa agaacgagtt 1020  
gattgaagct ttcaaacagg ggatggggaa aaaagcctgt aaatactttg agcaaggcaa 1080  
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tcccttaggg aggccttga aggagcagga ggtacagtag tgggtagcag tctggccctc 2040  
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ttagctgagt ttagagtact ttctgcttaa ttaattttta tacttaactc ttcagtagag 2520  
gtttacaaaag agtacaaaag ttaaattaca aattcattcc cagcctagc tctgggcaca 2580  
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tattaaaata acataattga gggaccatca gataactgta tttgtcagg tgcaataaaa 2760  
acaaaattaa aacccaaatc atcaagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2820

aaaaaaanaa aaa

2833

&lt;210&gt; 233

&lt;211&gt; 692

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (289)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 233

```
ggcagaggtc caacgtagac agtgggtctca tkcactccat aggcttaggt taccacaagg 60
atctccagac aagagctaca tttatggaag ttctgacaaa aatccttcaa caaggcacag 120
aatttgacac acttgacaaa acagtattgg ctgacgggtt tgagagattg gtggaactgg 180
tcacaatgat gggatgatcaa ggagaactcc ctatagcgat ggctctggcc aatgtgggtc 240
cttggttctca gtgggatgaa ctagctcgag ttctgggttac tctgtttgna ttctcggcat 300
ttactctacc aactgctctg gaacatgttt tctaaagaag tagaattggc agactccatg 360
cagactctct tccgaggcaa cagcttggcc agtaaaataa tgacattctg tttcaaggta 420
tatggtgcta cctatctaca aaaactcctg grtcctttat tacgaattgt gatcacatcc 480
tctgattggc aacatgttag ctttgaagtg gatcctacca gkttagaacc atcagagagc 540
cttgaggaaa accagcggaa cctccttcag atgactgaaa agttcttcca tgccatcatc 600
agttcctcct cagaattccc ccctcaactt cgaagtgtgt gccactgttt ataccaggca 660
acttaccact ccctactgaa taaagctaca gt 692
```

&lt;210&gt; 234

&lt;211&gt; 1353

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (649)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1020)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1255)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 234

```
ggcacgagcc gatagctgct tcgggattgg cgtccggggcg gctatctagg ggctgctggg 60
aagatggcgg actcgggtggc tagccgatga ggaggcccgcg gggggaaccc ggcccccggg 120
ccccgagacc gactgaggga gcgacctgcg cagggcccgcg ggagtcattg tctccatcac 180
ccaactccat gcttcgagtc ctgctctctg ctcagacctc ccctgctcgg ctgtctggcc 240
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tgctgctgat ccctccagta cagccctgct gtttggggcc cagcaaatgg ggggaccggc 300
ctgttgaggagg agggcccagt gcaggtcctg tgcaaggact gcagcggctt ctggaacagg 360
cgaagagccc tggggagctg ctgcgctggc tgggcccagaa cccagcaag gtgcgcgccc 420
accactactc ggtggcgctt cgtcgtctgg gccagctctt ggggtctcgg ccacggcccc 480
ctcctgtgga gcaggtcaca ctgcaggact tgagtcagct catcatccga aactgcccc 540
cctttgacat tcacaccatc cacgtgtgtc tgcaccttgc agtcttactt ggctttccat 600
ctgatgggtcc cctgggtgtgt gccctggaac aggagcgaag gctcgcttnc cctccgaagc 660
cacctcccc tttgcagccc cttctccgag gtgggcaagg gttggaagct gctctaagct 720
gcccccgttt tctgcggtat ccacggcagc atctgatcag cagcctggca gaggcaaggc 780
cagaggaact gactccccac gtgatgggtg tcctggccca gcacctggcc cggcaccggg 840
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tcagcagcaa ggtggtacag aagttgggtc tgccctttgg gcgactgaac tacctgcccc 960
tggaacagca gtttatgccc tgccttgaga ggatcctggc tcgggaagca ggggtggcan 1020
ccctggctac agtcaacatc ttgatgtcac tgtgccaact gcggtgcctg cccttcagag 1080
ccctgcactt tgttttttcc cctggcttca tcaactacat cagtggtagc cagccaggat 1140
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ccccagtccc cgccctccca caggcacccc tcatgctctg attgtgcgtc gctanctctc 1260
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aggcagcaag ttgccatttt cccagctttc atc 1353
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<210> 235

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<400> 235

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ccagtatccg atgggagcgc cgtccgcagg naatgtgtct ctctgatcat ggtgcctcgt 180
gtccagctct ggggaagacc gagacgaaat cgagtcagct ggcgttggga gagggcttat 240
ttccgcttcc gcttgcccac ttccaggaat ttgattctga gagcagggtc gcggttccag 300
gcagggtttg tacacatatt tgcgttggaa ggaaaaaaag aaccta 346
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<210> 236

<211> 2271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (547)

<223> n equals a,t,g, or c

<400> 236

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<210> 237

<211> 3050

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3024)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3031)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 237

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ttatagtaaa gtagtagcaa aattatTTTT aaaagacttt cttcctttta ctacccattt 180
cctctcttgg gaaagctgat gagcaaatta tccaagactc atttctttat taggcaaagt 240
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<210> 238

<211> 2802

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1800)

<223> n equals a,t,g, or c

<400> 238

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<210> 239

<211> 1537

<212> DNA

<213> Homo sapiens

<400> 239

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<210> 240

<211> 1334

<212> DNA

<213> Homo sapiens

<400> 240

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<210> 241

<211> 2438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (879)

<223> n equals a,t,g, or c

<400> 241

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tccagtgagg gtggagatgg cagagaatac tgacaatcca ctaagatgcc cagtccgact 1680  
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ccttcaacct gagcgctcct gtgtcccgaa tagcccatg tggtagtcca cattcccgat 1800  
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agaacttgcc aaagccaaat ctgaagactc tgatgttgaa ttatcagatt aaaacggaag 1920  
tgaggttctt attttcatac atattggtat gcaccaaact gtgaatgcat ccagctgttg 1980  
gaaaatgatg tataagtcta agtcctcttg acttgaccat aagatcatgg aaaacagatg 2040  
acttgtgaac cccacagtgt ggatgtgcaa atgaaaattg aaggaaagaa tatgaactga 2100  
gaaatgttct ttggcagtga tatagttctt agacatcttc agaatgacta atttctccga 2160  
gtggtgcata atcttatttt gtttgggagt aacaaatcgt ggaatatttt taaggaaaac 2220  
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ctttggctgc aataggctac tttgcaagcc ctccgtaaaa gtcagaggag agatcagtac 2340  
agagctaaga gtgacatcaa atgaggactg tgggacccag atttgaagac ccaataaaaa 2400  
tactcaactt tttaaaaaaa aaaaaaaaaa aaaaaaat 2438

&lt;210&gt; 242

&lt;211&gt; 139

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 242

```
aagaccggag cttgtccgga agattkcaaa tactgcccgc aaagctcgcg ctacaaaacc 60
. jgttggar cagwccggttg atggaagtgg aacaggtgct ggagtcggcg cgcaaagcaa 120
tagggactag ggatcgncg                                     139
```

<210> 243

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<400> 243

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gctcgtgccg aattcggcac gaggcagttt ttgaaagttt gaaattaagt aaaaattaaa 60
agtcacaaaa gattttgcat gtcaagattc tagccttttt cttctggtgt actgagaggc 120
cagaggagcc catcctaggg actaagtatt gacagaattt ggttctgtgg caagaattac 180
ctgggtgtcct agcactaagg accagtaggt cagagccctt gacttagatt tcaggacaag 240
aaacagaaaag attggaatag gattgraatg gagtctcccc gtgattttta aaaacactta 300
statggggcc asgcgcrcrk tggtctcaacg cctgtaatcc cagcactttg ggaggccaag 360
atgggtggat catgaggtca ggagatcgag accgtcctgg ctaacatggt gaaaccccg 420
ctctactaaa aatataaaaa aattaaccgg gccgtggtgg cnggggcgct gtagtccca 479
```

<210> 244

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (582)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 244

```
tgggatatct ccggagcatt trgataatgt gacagttgga atgcagtgat gtcgactctt 60
tgcccaccgc catctccagc tggtgccaa gacagagattg ctttaagtgg caaatcacct 120
ttattagcag ctacttttgc ttactgggac aatattcttg gtcctagagt aaggcacatt 180
tggggtccaa agacagaaca ggtacttctc agtgatggag aaataacttt tcttgccaac 240
cacactctaa atggagaaat ccttcgaaat gcagagagtg gtgctataga tgtaaagttt 300
tttgtcttgt ctgaaaaggg agtgattatt gtttcattaa tctttgatgg aaactggaat 360
ggggatcgca gcacatatgg actatcaatt atacttccac agacagaact tagtttctac 420
ctcccacttc atagagtgtg tgttgataga ttaacacata taatccggaa aggaagaata 480
tggatgcata aggaaagacm agaaatgtcc agaagattat cttagaaggc acagagagaa 540
tggaagatca ggtcagagta ttattccaat gcttactgga gnng 584
```

<210> 245  
<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<400> 245  
ggcacagcgt tcacccgaca gtgttcacag ggcccatggt acagagcacg gagcaggggtc 60  
ccccagggtg tgcgcttgcc agggccacat cttgagcctt cgctctgctc cttcgagagc 120  
cgctgctgcc ccaccccaat ccccaaccag ccacccctc ctgcctccct gccatctgtc 180  
cctttcatcc tccctggcgt gccaaagcgc tgccatggca ccgcctgtta cctanccag 240  
ctacaaatgc cagccttgaa tctgcctgg antcccttc tctaccangt aaacagcctt 300  
aactcagccc tgccactccc tgctctgaag ct 332

<210> 246  
<211> 1617  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<400> 246  
cccagatcc ctttcccaga gtgctctgcg ccgwaagaa gcggctccc gggactkggg 60  
gcattttgtg ttggctggag ctggagtaac aagatggcgt cgtccgcgga gtgacagggg 120  
tccctctggg ccggagccgg cggcagtggg ggcagcggta tcgccgcctt agctcaccgc 180  
gccccttttc cagccccgca cgtcgccgcg caagnaggca gcggcggccg ccgagaaaca 240  
agtggcccag cctggtaacc gccgagaagc cttcacaaa ctgcggcctg gcaaaaagaa 300  
acctgactga gcggcgggtga tcaggttccc ctctgctgat tctgggcccc gaaccccggg 360  
aaaggcctcc gtgttccgtt tctgcccgc ctctccgta gccttgcta gtgtaggagc 420  
cccgaggcct ccgtcctctt cccagagggt tcggggcctg gccagcctcc atcttcgtct 480  
ctcaggatgg cgagtagcag cggctccaag gctgaattca ttgtcggagg gaaatataaa 540  
ctggtacgga agatcgggtc tggctccttc ggggacatct atttggcgat caacatcacc 600  
aacggcgagg aagtggcagt gaagctagaa tctcagaagg ccaggcatcc ccagttgctg 660  
tacgagagca agctctataa gattcttcaa ggtgggggtt gcacccccca catacgggtg 720

tatgggtcagg aaaaagacta caatgtacta gtcattggatc ttctggggacc tagcctcgaa 780  
gacctcttca atttctgttc aagaagggtc acaatgaaaa ctgtacttat gttagctgac 840  
cagatgatca gtagaattga atatgtgcat acaaagaatt ttatacacag agacattaaa 900  
ccagataact tcctaattggg tattggggcgt cactgtaata agttattcct tattgatttt 960  
ggtttggcca aaaagtacag agacaacagg acaaggcaac acataccata cagagaagat 1020  
aaaaacctca ctggcactgc ccgatatgct agcatcaatg cacatcttgg tattgagcag 1080  
agtcgccgag atgacatgga atcattagga tatgttttga tgtattttta tagaaccagc 1140  
ctgccatggc aaggggctaaa ggctgcaaca aagaaacaaa aatatgaaaa gattagtga 1200  
aagaagatgt ccacgcctgt tgaagtttta tgtaaggggt ttcctgcaga atttgcgatg 1260  
tacttaaaact attgtcgtgg gctacgcttt gaggaagccc cagattacat gtatctgagg 1320  
cagctattcc gcattctttt caggaccctg aaccatcaat atgactacac atttgattgg 1380  
gacaatgtta aagcagaaag cagcacagca ggcagcctct tccagtgggc agggctcagca 1440  
ggcccaaacc cccacaggca agcaaaactga cmaaaccag agtaacatga aagggttagta 1500  
rccaagaacc aagtgcgtt acagggaaaa aattgaatmc aaaattgggt aattcatttc 1560  
taacagkggt agatcaagga ggkggtttta aaatacataa aaatttggct ctgcgtt 1617

<210> 247

<211> 1449

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1447)

<223> n equals a,t,g, or c

<400> 247

cgcggggctg gtagcgggccg gagccgtgag akttctctac cctgcttcgc gagcggggcga 60  
gagaacgcga gtcccaggat ccccggcacc casttctctt ccactgcatt ccccgggcgc 120  
gtgtggggacc gaggtggaca tggatccgca gaggtccccc ctattggaag taaaggggaa 180  
catagaactg aagagacctc tgattaaggc cccttcccag ctgcctctct caggaagcag 240  
actcaagagg aggcctgacc agatggaaga tggcctggag cctgagaaga aacggacaag 300  
aggcctgggt gcaasgacca aaattaccac atccccacca agagtccat ccctcactac 360  
agtgccacag acacaaggcc agaccacagc tcaaaaagtt tccaagaaga caggaccccc 420  
gtgttccaca gctattgcca caggggtgaa gaaccagaag ccagtccctg ctgttcctgt 480  
ccagaagtct ggcacatcag gtgttcctcc catggcagga gggaagaaac ccagcaaacc 540  
tccagcctgg gacttaaagg gtcagttatg tgacctaaat gcagaactaa aacggtgccg 600  
tgagaggact caaacgttgg accaagagaa ccagcagctt caggaccagc tcagagatgc 660  
ccagcagcag gtcaaggccc tggggacaga gcgcacaaca ctggaggggc atttagccaa 720  
ggtacaggcc caggctgagc agggccaaca ggagctgaag aacttgctg cttgtktcct 780  
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aatggagcgc cggcgactgc acaaccagct gcaggaactc aagggcaaca tccgtgtatt 1080  
ctgccgggtc cgccctgtcc tgccggggga gccactcca cccctggcc tcctcctgtt 1140  
tccctctggc cctggtgggc cctctgatcc tccaaccgc cttagcctct cccggtctga 1200  
cgagcggcgt gggaccctga gtggggcacc agctccccc actcgccatg attttccctt 1260  
tgaccgggta tcccaccag gaagtggaca ggatgaagtg tttgaagaga ttgccatgct 1320  
tgtccagtca gccctggatg gctatccakt atgcatcttt gcctatggcc agacargcag 1380  
tggcaagacc ttcacaatgg agggcgggct gggggagacc ccarttggaa gggctgatcc 1440

ctcgggncc

1449

&lt;210&gt; 248

&lt;211&gt; 1484

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1477)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1478)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 248

```
ccacgcgtcc gcggacgctg gacggacgcg tgggtcnggt taggaggagc taggctgcca 60
tcggggccggg gcagatacgg ggttgctctt ttgctcataa gaggggcttc gctggcagtc 120
tgaacggcaa gcttgagcaa cgcggtaaaa atattgcttc ggtgggtgac gcggtacagc 180
tgcccaaggg cgttcgtaac gggaatgccg aagcgtggga aaaagggagc ggtggcgga 240
gacgggggatg agctcaggac agagccagag gccaaagaaga gtaagacggc cgcaaagaaa 300
aatgacaaaag aggcagcagg agagggccca gccctgtatg aggaccccc agatcagaaa 360
acctcaccca gtggcaaacc tgccacactc aagatctgct cttggaatgt ggatgggctt 420
cgagcctgga ttaagaagaa aggattagat tgggtaaagg aagaagcccc agatatactg 480
tgcttcaag agaccaaag ttcagagaac aaactaccag ctgaacttca ggagctgcct 540
ggactctctc atcaatactg gtcagctcct tcggacaagg aagggtacag tggcggtggc 600
ctgctttccc gccagtgcc actcaaagt tcttacggca taggcgakga ggagcatgat 660
caggaaggcc gggtgattgt ggctgaattt gactcgtttg tgctggtaac agcatatgta 720
cctaattgcag gccgaggtct ggtacgactg gagtaccggc agcgtggga tgaagccttt 780
cgcaagttcc tgaagggcct ggcttcccga aagccccttg tgctgtgtgg agacctcaat 840
gtggcacatg aagaaattga ccttcgcaac cccaagggga acaaaaagaa tgctggcttc 900
acgccacaag agcgccaagg cttcggggaa ttactgcagg ctgtgccact ggctgacagc 960
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cctgcattgt gtgacagcaa gatccgttcc aaggccctcg gcagtgatca ctgtcctatc 1140
accctatacc tagcactgtg acaccacccc taaatcactt tgagcctggg aaataagccc 1200
cctcaactac cattccttct ttaaactc ttcagagaaa tctgcattct atttctcatg 1260
tataaaacta ggaatcctcc aaccaggctc ctgtgataga gttcttttaa gcccaagatt 1320
ttttatattg ggggtttttg ttttttaaaa aaaaattgaa caaagactac taatgacttt 1380
gtttgaatta tccacatgaa aataaagagc catagtttca aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaannng gggg 1484
```

&lt;210&gt; 249

&lt;211&gt; 2422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2408)

<223> n equals a,t,g, or c

<400> 249

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ggtcttgaat aaactactat accaggaggc acattttctc gctcaagcat cttacattga 60
ccttcttttaa aacaaaaata cgtacaaggc ccacgcgctc gcggacgcgt ggggagtcct 120
tctaattcttc cttttctaca gacctctctg acctctccct tcctccccag gctgctcctt 180
gccaggccga gctagggtccc aattcttctt caycctctgc tcctccaccc tataatcttt 240
ttatcacctc cctctctcac acctgstccg gcttacagtt tcrttccgtg actagccctc 300
cccsacctgc ccagcaattt actcttaaaa aggtggctgg agctaaaggc atagtcaagg 360
ttaatgctcc tttttcttta tcccaaatca gatagcgttt aggctctttt tcatcaaata 420
taaaaaycca gccagttca tgrctygttt ggcagcaacc ctgagacact ttacagccct 480
agaccctaaa aggtcaaaaag gccrtcttat tctcaawata catttttatta cccaatctgc 540
tcccgacatt aaataaaaact ccaaaaatta rawtcyggcc ctcaaaccctt acaacaggay 600
ttaattaacc tcrcttcaa ggtgtacaat aatagaaaaa agttgcaatt ccttgccctc 660
actgtgagac aaaccccgac cacatctcca gcacacaaga acttccaaac gcctgaacyg 720
cagcrgccag gcgttccctc agaacctctt cccacaggag cttgctacac gtgccggaaa 780
tctggccact gggccaagga atgcccgcag ccygggattc ctccctaagcc rcgtcccatc 840
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accackcca cattaccttc ttttcaaggg cctgtttccc ttgctccat aactgttgtg 1140
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caatactctt ttaagcactc ctttttagtt atccccatct gccagttcc cttattaggg 1260
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cttaaccac aagtataaga tatctctact cctccttga cgaccgatca tgcaccctt 1440
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cacgctttta aaagattaaa gcctgtttatc attcgctgtg tacagcatgg cctttttaa 1560
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aagttagttc aggatctgcg ccttatcaac caaattgttt tgcttatcca ccccggtgtg 1680
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ttcacttaga ctgacctga caccattag gctcaacaaa ttacctgggc tgcaactgcca 1860
caaggcttca cagacagccc ccattacttc agtgaagccc aaatttcac ctcatctgtt 1920
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ccttaggcac tctctaatac gatrtcttag gtcctcccaa ttcttagacc ttttatacct 2160
gtttttctcc ttctgttatt ccatttagtt tctcaattca tccaaaaccg tatccaggcc 2220
```

atcaccaatc attctatayg acaaatgttt cttctwacat cccacaata tcacccctta 2280  
ccacaagacc tcccttcagc ttaatctctc ccactctagg ttcccasgct gcccctaata 2340  
ccgcttgaag cagnccctgag aaacatcggc cattctctct ccataccaac ccccaaaatt 2400  
ttggcggncc aaaacttaaa ac 2422

<210> 250

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 250

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tctgtatttg ggtgaantcc atccagacgt caattaacac ttccctttatt ttgggggttg 120  
ccaactcggt tccccaggat ttaaagacta taacgatgat aaaagtcagt ttcgcaccct 180  
gtcaaaggct tggcccgttg ccttttcctt cccggcaata ctcggttcaa ttaggtcttg 240  
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cgggaaaagt caaaccatct ctcaaaggat caaagagctc agccatagac agagccgccg 360  
gaggaaagcg gagtcgctgc atcagatgaa agggggccct cagcctcact cctcaccgca 420  
gctcctggga tcttaaagac agggtcagga ggatcaggag ggacaagagg gatggaggcg 480  
aaaggctgga tccttaatcc aggccggaga caaagccgcg ccaggagct cgcgccgcgc 540  
ggcccctgtc ctccggcncg agatgaatcc tgcg 574

<210> 251

<211> 1044

<212> DNA

<213> Homo sapiens



<220>  
<221> misc feature  
<222> (1010)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1011)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1012)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1013)  
<223> n equals a,t,g, or c

<400> 251  
ggcgggctgg ctcagtaaaag cggaggcagc gggggaagat ggcggcggcc gttccacagc 60  
gggcgtggac cgtggagcag ctgcgcagtg agcagctgcc caagaaggac attatcaagt 120  
ttctgcagga acacggttca gattcgtttc ttgcagaaca taaattatta ggaaacatta 180  
aaaatgtggc caagacagct aacaaggacc acttggttac agcctataac catctttttg 240  
aaactaagcg ttttaagggt actgaaagta taagtaaagt gtctgagcaa gtaaaaaaatg 300  
tgaagcttaa tgaagataaa cccaaagaaa ccaagtctga agagaccctg gatgaggggtc 360  
caccaaaaata tactaaatct gttctgaaaa agggagataa aaccaacttt cccaaaaaagg 420  
gagatgttgt tctactgctgg tatacaggaa cactacaaga tgggactggt tttgatacta 480  
atattcaaac aagtgcaaag aagaagaaaa atgccaagcc ttttaagtttt aagggtcggag 540  
taggcaaagt tatcagagga tgggatgaag ctctcttgac tatgagtaaa ggagaaaaagg 600  
ctcgaactgga gattgaacca gaatgggctt acggaaagaa aggacagcct gatgccaaaa 660  
ttccaccaa tgcaaaactc acttttgaa tgggaattagt ggatattgat tgaaatagca 720  
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caactagtta gaacttggtta ctattgtaaa ggaagagtca actggaaaat tcaaggagtt 840  
aataaaaattt gtttacttgg tcccagcttt tgagagataa atcccttatg aatccctggt 900  
ctaaaatact ttcctacagc tgtgtaaaaat actgggtcaag gagaactttt tccttttacc 960  
tcatgttgta aacttaagt gctcaataaa aattgatcca ctgtcttgan nnnaaaaaaa 1020  
aaaaaaaaa aaaaaaaaaa aaaa 1044

<210> 252  
<211> 1029  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (835)  
<223> n equals a,t,g, or c

&lt;400&gt; 252

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gcccgcagctg gggctcctgg gccgcggcgg cgggcggcg atgctccaga ggccctgacca 120  
gccatggagg ccgaggcagg cggcctggag gagctgacgg acgaggagat ggcggcgcta 180  
ggcaaggaag agctagtgcg gcgcctgcgg cgggaggagg cggcgccct ggcggcactg 240  
gtgcagcgcg gccgcctcat gcaggaggtg aatccggcagc tgcagggccca cctgggcgag 300  
atccgcgagc tcaagcagct caaccggcgt ctgcaggcag agaaccgtga gctgcgcgac 360  
ctctgctgct tcctggactc ggagcgccag cgcggggcgg gcgcgcgacg ccagtggcag 420  
ctcttcggga cccaagcacc cggggccgtg cgcgaggacc tgggcggctg ttggcagaag 480  
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tcaggagccg ggccagcacc cgagcttgcc ttgccccgt gcgggccccg cgacctaggc 660  
gatggaagct ccagcactgg cagcgtgggc agtccggatc agttgcccc ggctgttcc 720  
cccgatgatt gaaggcactg cttcctccac gccgacgccc gcccgattg ctccccgagc 780  
cccgggaccg ctgtggacct cgggacctgg acgcgcctc gstgcgcagg aggnccgct 840  
ggcatggact aagaaatcct gacaccaaga agggccctc gctcttgctg gcagggcagc 900  
agggggactg aaggctggag cggagggact tgctgggggt tggattggg gtaataaacc 960  
cggacggaag cggaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagrcg gccgctcgcg 1020  
atctagaac 1029

&lt;210&gt; 253

&lt;211&gt; 475

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 253

ggcacagcca ggtgctcctg acggacttaa gtgccaaaaa ctgactccat gctaggaacc 60  
actgagttct caaccagtga gtttatgatt cctattttta aaataacctt taaagtctga 120  
ttataaaagt agtacatagt ctttgtggaa aattttattaa gtacagtaag tgcagaagaa 180  
gaaataaatc actcataatc ccagcagaca gaattaatca ctgtcatttt aggtgtattt 240  
ttttgcagag taaaacatgt aaacatttta catagacata aatacaaaca tgataagcat 300  
tggacatgga aaatgggcag taaattctgt acatgtgcct tcttgattt ttgttgatt 360  
tttawatcat gcytttttgc aaaatacatt ataaattaaa catggaattt cactagtatt 420  
ctgtggtatt cattttccat gggctggaat aatggtccgg tccactatat ggggt 475

&lt;210&gt; 254

&lt;211&gt; 1724

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (440)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 254

ggcacagtac agcaagaggg caaggacaat tgcttaagtt gacctctggg tccggaatcg 60  
cgggcaaaaga tggcgccggc cagggtgttg aggccttgc tacgcggtcc gaggctttca 120  
ttgcacaccg cggctaattg cggcccgacg gctacagaaa cgacctgcca agacgtcgcg 180  
gcgacccccg tcgcgcggtg cccgccgatt gtggcctcca tgacagccga cagcaaagct 240  
gcacggctgc ggcggatcga gcgctggcag gcgacggtgc acgctgcgga gtcggtagac 300

```
gagaagctgc gaatcctcac caagatgcag tttatgaagt acatggttta cccgcagacc 360
ttcgcgctga atgccgaccg ctggtaccag tacttcacca agaccgtgtt cctgtcgggt 420
ctgccgccgc ccccgagcgc cccgagcccg agcccgaacc cgaacctgaa cctgcgctgg 480
acctcgcggc gctgcgtgcg gtcgcctgcg actgcctgct gcaggagcac ttctacctgc 540
ggcgcarcgg cgcgtgcacc gttacgagga gacgaggtc atatctttgc ccttcctgga 600
tcagctggtg tcaacctcgc tgggcctcct cagcccacac aaccggccc .tggccgctgc 660
cgccctcgat tatagatgcc cagttcattt ttactgggtg cgtggtgaag aaattattcc 720
tcgtggtcat cgaagaggtc gaattgatga cttgcgatac cagatagatg ataaaccaa 780
caaccagatt cgaatatcca agcaactcgc agagtttgtg ccattggatt attctgttcc 840
tatagaaatc cccactataa aatgtaaacc agacaaactt ccattattca aacggcagta 900
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aataatgatg agatttgtaa ctgtcaacta ttaaatacat tgatttttga gacaaatatt 1500
tcttatgtca acctgttatt agatctctta ctctgctcaa attcatcact gaaagattta 1560
attttagtta ctttttggtg atttaaaaat aattgcattt gtatattgct aactgataag 1620
acaaattgag ttattgagct attaaatgca cattttaata taaatgcaga aatcccaaat 1680
aaaatgctaa catactgaat tcagtaatta aaagaaccca ctgc 1724
```

<210> 255

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<400> 255

```
ggcagagcgg ctccctcagct ccaggacctt gctagcagct gccctcagga agaagtttct 60
cagcagcagg aaagcgtctc camtctccct gccagcgtgc atccccagct gtscacggm 120
agagcctgga gacccagtac ctgcagcaca gactccagra gcccagcctt ctgtcaaagg 180
cccagaacac ctgtnagcat ctgctgcaga atcaagcgac tctttcttca gaagcagtct 240
caactgcagg cctattttta tcagatgcag atagcagaga gctcctaccc acagccaagt 300
cagcag 306
```

<210> 256

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (862)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (881)

<223> n equals a,t,g, or c

<400> 256

```
ggcacgaggc ccggccgccc cctgccctct ccgctggcca cctgctgccg cccgcgccat 60
ggctggcaaa gcacacaggc tgagcgctga ggagaggac cagctgctgc caaacctgag 120
ggctgtgggg tggatgagc tggaggccg tgatgccatc ttcaagcagt ttcatattca 180
agacttcaac agggcctttg ggttcatgac aagagtggcc ctgcaggctg agaaaactgga 240
ccaccatcct gaatggttta acgtgtacaa caaggtccac atcacgctga gcacccatga 300
gtgtgccggc ctttcagaac gggacataaa cctggccagc ttcacgaac aagtagcagt 360
gtccatgaca tagaccctgc ccttcctctt tgaattcttc cgggggaaaag ggtgactgaa 420
ctgggagtcc agggaggag ctgaggagcc cttaccctcc caccactccc ctcccaagac 480
ccagccgccc ccgttgaggg ctgagtcctt gctgtgggat gtgccagtgt ccccaaccaac 540
accaggaatt tagacctttt cctgcacca ctctcttcat cctgggggct ctgttacact 600
aatttgaata aactctcccc tttctttgca acttcccagc aacaataatg attttcttgc 660
caggccgtct cttgctccct aattcatttc ccaggagct gtgatacagg gtgaaataaa 720
gtcttgtctt agaaaccagg accctaaacc ccacactatg taatagaaac acatgtgttt 780
ttatgtctca aataaaacta ttatatcact tggaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa anaaaaaaaa aaaaagaaat naaaaaaaaa 890
```

<210> 257

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 257

```
ggcacgaggc ggagggaaga gcgggcccgc gggaggccgc ggcgccagac gcggagggaa 60
ggagctacga gtagccgccg agangccgcg garccagcga cgaccgaccc agccgagccg 120
ccgccgccgc cgcgccccca tggcgccgc caaggacact catgaggacc atgatacttc 180
cactgagaat acagacgagt ccaaccatga ccctcagttt gagccaatag tttctcttcc 240
tgagcaagaa attaaaacac tggagaaga tgaagaggaa ctttttaaaa tgcgggcaaa 300
actgttccga tttgcctctg agaacgatct ccagaatgg aaggagcgag gcactggtga 360
cgtcaagctc ctgaagcaca aggagaaagg ggccatccgc ctctcatgc ggagggacaa 420
gaccctgaag atctgtgcca accactacat cacgccgatg atggagctga agcccaacgc 480
aggtagcgac cgtgcctggg tctggaacac ccacgctgac ttcgccgacg agtgcccaaa 540
gccagagctg ctggccatcc gcttcctgaa tgctgagaat gcacagaaat tcaaaaacaa 600
gtttgaagaa tgcaggaaaag agatcgaaga gagagaaaag aaagcaggat caggcaaaaa 660
tgatcatgcc gaaaaagtgg cggaaaagct agaagctctc tcggtgaagg aggagaccaa 720
ggaggatgct gaggagaagc aataaatcgt cttattttat tttcttttcc tctctttcct 780
ttcctttttt taaaaaattt taccctgccc ctctttttcg gtttgttttt attctttcat 840
ttttacaagg gacgttatat aaagaactga actcaacatt caggttgttt ttttttttgt 900
ttctaagtgt ttgccctatt gaagatgact tcagaaaatc cattccccag tcatgaaaat 960
```

```
gtactgtgct aactttcttt tccatagtgg aaacacttat ttatagtcac caaaaatagt 1020
gaataaaaaa cacatttgga acctggaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggggggggac qgacgcgtgg gcgacgcgt 1140
gggcggacgc gtgggtcga 1159
```

<210> 258

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (755)

<223> n equals a,t,g, or c

<400> 258

```
accacgcgt ccggttctag atcgcgagsg ccgccttttt tttttwttt gaagggccag 60
cttactgttg gtggcaaaat tgccaacata agttaataga aagtggcca atttcaccac 120
atcttctgtg gtttgggctc cacattgcaa tgttcaatgc cacgtgctgc tgacaccgac 180
cggagtacta gccagcacia aaggcagggt agcctgaatt gctttctgct ctttacattt 240
cttttaaaat aagcatttag tgctcagtc cttactgagta ctctttctct cccctctctt 300
gaatttaatt ctttcaactt gcaatttgca aggattacac atttcaactgt gatgtatatt 360
gtgttgcaaa aaaaaaaaaa gtgtctttgt ttaaaattac ttggtttggt aatccatctt 420
gctttttccc cattggaact agtcattaac ccatctctga actggtagaa aaacatctga 480
agagctagtc tatcagcatc tgacagggtga attggatggt tctcagaacc atttcaccca 540
gacagcctgt ttctatcctg tttaataaat tagtttggtg tctctacatg cataacaaac 600
cctgtcctaa tctgtcacat aaaagtctgt gacttgaagt ttagtcagca cccccaccaa 660
actttatttt tctatgtgtt ttttgcaaca tatgagtgtt ttgaaaataa agtaccatgt 720
tctttattag aaaaaaaaaa aaaaaaaaaa aaan 755
```

<210> 259

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (665)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (704)

<223> n equals a,t,g, or c

<400> 259

```
gtctattagc ttttacctca aaattttaag ccagaactat catctttggt tttttatttt 60
ctatctttta acatttatct gtgaagtgc aaatggccta cagctgtgag agcaaagtga 120
catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgtttgg ctctggctga tgctggtgac 240
actgtagaag atgccaactt tgtggaagcc atggcagatg caggtattct ccgtctgtac 300
```

acctgggtag agtgggtgaa agaaatgggt gccaaactggg acagcctaag aagtgggtcct 360  
gccagcactt tcaatgatag agtttttgcc agtgaattga atgcaggaat tataaaaaaca 420  
gatcaaaact atgaaaagat gatgttttaa gaagctttga aaacaggggt ttttgagttt 480  
caggccgcaa aagataagta ccgtgaattg gctgtggaag ggatgcacag agaacttgtg 540  
ttccggttta ttgaagttca gacacttctc ctgctccat tctgtccaca tttgtgtgag 600  
gcacatctgg gacactcctg gggaaagcct gacttcaatt atggaatgst ttcattgggc 660  
tgtgngmagg gtcctgttta atggaagttt ttaattacac tccntcacag tatc 714

&lt;210&gt; 260

&lt;211&gt; 525

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 260

ggctttacgg ctgcgagaag acgacagaag ggggtggtgg tcgcgagrga gccggaaaga 60  
tggtggttac cagatctgca cgggctaagg ccagcatcca agccgcgtcg gctgaaagtt 120  
ccgggcaaaa gagttttgct gctaattgga ttcaagcgca tccagaaagt agtactggat 180  
ctgatgcccg aactactgct gaatcacaga ccactgggaa gcaaagttaa atccctagaa 240  
ctcctaaagc tagaaagagg aagagcagaa ctacaggctc actaccaaag gggactgaac 300  
catctacgga tggagagacc tctgaggcag agtcaaatta ttctgtgtct gaggaccatg 360  
ataccatttt aagggttaact aggagaaggc agatcttaat tgcattgtcc ccagtgtcca 420  
gtgttaggaa aaagccgaaa gtaactccaa caaaggagtc ttacactgaa gaaatagtgt 480  
ctgaagcaga atctcatggt tcaggatatt ctaggaattg tgctt 525

&lt;210&gt; 261

&lt;211&gt; 3000

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 261

gaattctcgg gtcgaccac gcgtccgacc cacgtgtccg gcttccccgg tgtcccccca 60  
tccccctccc cgcgcccccc ccgcgtcccc ccagcgcgcc cacctctcgc gccggggccc 120  
tcgcgaggcc gcagcctgag gagattccca acctgctgag catccgcaca cccactcagg 180  
agttggggcc cagctcccag ttactttggt ttcccttgtg cagcctgggg ctctgcccag 240  
gccaccacag gcaggggtcg acatggcaga gacactggag ttcaacgacg tctatcagga 300  
ggtgaaagggt tccatgaatg atggctgact gaggttgagc cgtcaggcat catcttcaag 360  
aatagcaaga caggcaaagt ggacaacatc caggctgggg agttaacaga aggtatctgg 420  
cgccgtgttg ctctgggcca tggacttaaa ctgcttacia agaattggcca tgtctacaag 480  
tatgatggct tccgagaatc ggagtttgag aaactctctg atttcttcaa aactcactat 540  
cgcttgagc taatggagaa ggacctttgt gtgaagggtt ggaactgggg gacagtgaag 600  
tttgggtggc agctgctttc ctttgacatt ggtgaccagc cagtctttga gatccccctc 660  
agcaatgtgt cccagtgcac cacaggcaag aatgagggtg cactggaatt ccacaaaac 720  
gatgacgcag aggtgtctct catggagggt cgcttctacg tcccaccac ccaggaggat 780  
ggtgtggacc ctgttgaggc ctttgcccag aatgtgttgt caaaggcgga tgtaatccag 840  
gccacgggag atgcatctg catcttccgg gagctgcagt gtctgactcc tegtgtgtgt 900  
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ctgtttgatt ttgtcaacgc gaaaaaagtc aacatcaaaa accgaggatt gaaagagggc 1560  
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gagaagaagc ggaacacgct caaaaaaggcc aagatggcca aggaccgcaa gagccgcaag 1860  
aagcctgtgg aggtgaagaa gggcaaaagac cccaatgccc ccaagaggcc catgtctgca 1920  
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ttgcgtaagt gggcccagag gggagagagg ctccctccgc agccccgcac gcggttgcgt 2940  
gtccagggtc ttgagccaaa gtggtcccaa tggtcgcgtt ggtccaattg gcagcttcgg 3000

<210> 262

<211> 966

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (935)

<223> n equals a,t,g, or c

<400> 262

caaagcagtg cactgaaaat caatttaagt atttactgga gttgtcttga aggcccaatg 60  
ggaaatgtca gtaagggcac atgagaaaac actttaagaa cctattcttc caaagatctt 120  
tccagtatct tatgacaaca cagtaaaatta taccactcc aaatgcaaaa gctgaaacta 180  
ctctgctttc tcaacttamct acaacttttga ctttcgaaat acatttctct cttcggatat 240  
gagctgcaaa ctccttatat aaaggctcca actctgcagc cctaattatt ctagttggcc 300  
caagaaaaat cctaattggt ttatctaagg agacggaatt ttccaatact gtagaggcat 360  
gtgtgtgtgt ttgctttaag gaagctgttt tggttaataaa aagtcactgr aggtcataaa 420  
ttcatgttaa cacatccagt gtacatgaag taggcaccga gttaaactat ttgtctacta 480  
tatagcatgt catcttaaaa gccttatttt ttccctcaaaa tattaacttt attttctcc 540  
ctgtaaaatc aagacacagt taaaatgtag ccttcctcat tttctgggaa tactttctaa 600

caagatatgc ttctttccaa ttggacttct aaattttctag caatttctaac agtgcataaa 660  
agaggcaacc ccaaaagtgt agcagggtact gaataacaga ttgagcagct tgggtatcca 720  
cattaaaatt tgaaatctaa gtgaattact tcaagctgat ttcttaggtc aaggagagat 780  
tatggctcctt aaatgcctga taagggtcaca tacacaattt caagtgcatt atagtaaatc 840  
catgtgwaca gctcctacag ctactaacct gcttctgccc tcacgggtag cgtgcacaat 900  
cttcacgcga tgtcctgggt ggggtggggt ggganccagt taaaaaaccc ccctgggggc 960  
atgttc 966

<210> 263

<211> 2738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

<400> 263

ggcggctga gggcacttgc tcttgctgtt tctgcccctg ggtaaacatt caagatggta 60  
catgctgaag ccttttctcg tcctttgagt cggaatgaag ttgttggtt aattttccgt 120  
ttgacaatat ttggtgcagt gacatacttt actatcaaatt ggatggtaga tgcaattgat 180  
ccaaccagaa agcaaaaagt agaagctcag aaacaggcag aaaaactaat gaagcaaatt 240  
ggagtgaaaa atgtgaagct ctcagaatat gaaatgagta ttgctgctca tctttagtag 300  
cctcttaata tgcattgtac ttggagtgat atagcagggt tagatgatgt cattacggat 360  
ctgaaagaca cagtcattctt acctatcaaa aagaaacatt tgtttgagaa ttccaggctt 420  
ctgcagcctc caaaagggtgt tcttctctat gggcctccag gctgtggtaa aacgttgatt 480  
gccaaggcca cagccaaaga agcaggctgt cgatttatta accttcagcc ttcgacactg 540  
accgataagt ggtatggaga atctcagaaa ttggctgctg ctgtcttctc ccttgccata 600  
aagctacaac catccatcat ctttatagat gaaatagact cctttctacg aaaccgttca 660  
agttctgacc atgaagctac agccatgatg aaagctcagt ttatgagtct ctgggatgga 720  
ttggatactg atcacagctg ccagggtcata gtaatgggag cnrccaatcg tcttcaggac 780  
cttgactcgg ctataatgag aagaatgcct acaagatttc atatcaacca gcctgcttta 840  
aaacagagag aagcaatcct gaaactcctc ttgaaaaatg aaaatgtgga taggcatgta 900  
gacctgctag aagttgccc ggaactgat ggggttttcag gaagtgcct aaaagagatg 960  
tgtcgagatg ctgcccctct ctgtgttaga gaatatgtta attctacatc agaagaaagc 1020  
catgacgaag atgaaattcg gcctgttcaa cagcaggacc tgcacgggc aattgaaaag 1080  
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<210> 264

<211> 1520

<212> DNA

<213> Homo sapiens

<220>

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<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<400> 264

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<210> 265

<211> 1568

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1502)

<223> n equals a,t,g, or c

<400> 265

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caccaccaa agagaaagtg tccacacagg accagcccat ggcaaacctt tgtaccccat 420  
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acccatccag tagtcccact cctacttcca gtaacacaca agaggaggca cagccatcca 540  
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<210> 266

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<400> 266

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taaacacagt tgcagtgttg cagtgtattt catgacaaaa gtgcactcta gttttctgtg 240  
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acatagtgtct tttgacctgt gggaaatctc atcttggnta ccatggtgct gcacagacca 360  
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gctgtctaaa ataaccggra gattattamc ccagcacgtg gragartgtg ctagtgggta 480  
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<210> 267

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (712)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (740)

<223> n equals a,t,g, or c

<400> 267

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caggaagctt cagataattg ttttatggat tctgacatca aagtacttga agatcagttt 360  
gatgaaatca tagtagatat agccacaaaa cgtaagcagt atcccagaaa gatcctggaa 420  
tgtgtcatca aaaccataaa agcaaaaacaa gaaattctga agcagtacca ccctgttgta 480  
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agaagtcttt ttcagttgtc ataaggaaac cagatgctwa acctgagact ttatwacaca 660  
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aagaaagcaa acttaaagan ttggccccc aaagaaaaat gg 762

<210> 268

<211> 1433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (893)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (947)

<223> n equals a,t,g, or c

&lt;400&gt; 268

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&lt;210&gt; 269

&lt;211&gt; 2278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2277)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 269

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actggtagcg caagaaaagg agtgagcaag tggtaacaac ttaaagacaa ttcattttgc 180
tcccacgtgt tataatcatga atttnttggg cccaaagtca tatatagaat tttttaaata 240
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aaacaaaaar gaggtatgtg ggttacatgt atgaaacact ggatcagaag gaccagtat 420  
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ttgagcgttc tctaaagctg ctatttgaaa cgagagatat aagtctaatt aaacagtatg 540  
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<210> 270

<211> 2533

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2531)

<223> n equals a,t,g, or c

<400> 270

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<210> 271

<211> 1618

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<400> 271

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atcctgtaaa tattcatgat agtctgttta tctcttttgg tatatcggtg atactggatt 1560
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<210> 272

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c



<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<400> 272  
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ca:ttgattt tgtttttccc tcagttgact ttccatcttc agttcgaata catttaattg 360  
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<210> 273  
<211> 983  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (879)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (915)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (930)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (967)  
<223> n equals a,t,g, or c

<400> 273  
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&lt;210&gt; 274

&lt;211&gt; 2006

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 274

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caaaaaaaaa aaaaaaaaaa aaaaat 2006

<210> 275

<211> 1376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1368)

<223> n equals a,t,g, or c

<400> 275

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<210> 276

<211> 2594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

&lt;222&gt; (2198)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 276

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caaaaaaaaa aaaa 2594
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&lt;210&gt; 277

&lt;211&gt; 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (653)

<223> n equals a,t,g, or c

<400> 277

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tcagccgtgc ggcgytcctg ctgcgcgccc tctgargccg tcaagtccgc cgccawcccc 600
tactggctgt tgctcangcc ccagcactca aagtmatcaa agccgacttc aancccatgc 660
ccaaaccgtg gaacaaaaa                                     679
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<210> 278

<211> 1478

<212> DNA

<213> Homo sapiens

<400> 278

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<210> 279

<211> 2321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 279

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aaaataaaac tactttctgt ttatctcttt agaaaaaaa a 2321
```

<210> 280

<211> 1693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 280

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atctcggggc ccagaccagt cgattgggag gtccgcctc cccttcagcg acttgggtctg 180
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ccctctgtaa aagatgttaa catttctagt tttcttttag tgtgaatttt taaaatagca 1620  
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<210> 281

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 281

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gctnccggga cccatgggtc cagtgccttg gaatggagac ggccagttct ggggccagat 120  
gtgggtgctct ggaatccagt cccatttcct tcctggccac gagctgtccc agcggcctct 180  
tcagccgcat tcagccccta cttacctggg gaccccggt ggggcacgag aagcaccagg 240  
gggggttaggg cccaaagg 258

<210> 282

<211> 1764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1764)

<223> n equals a,t,g, or c

<400> 282

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gtgccaggta ccccgcatcg tgacccttca cttgggtgtct taggaagtca agctgagggg 120  
tgctgagtc tccctgtctg gccctgag cccagccct gcttttcatc cccacccct 180  
gcaaacatgg aggagcccc tccttctcac ctgggtctcc tagccctga catggagaas 240  
cctgagacaa gccacagaac ccctcttttc taaaatggag acaataattt cctacctccc 300  
aagggagcag agaggcctcg tggcacgtcc gtggccagg agccactgt cctggctggc 360  
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cttcctttct cccggctgtc agaactgggt ctcttgattt tgcccctaca ttatgcctct 480  
gtgggaaaaa aaaaaaaatc agaccaagaa atgagcctga aattcagtg ttaccatggc 540  
tcaaggatgc ccatctggtg tccagttgcc ttttgtattc aaatgaaaat gctttgtaca 600



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attttcmaaa tttcagaact ttcn 1764
```

<210> 283

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (760)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (769)

<223> n equals a,t,g, or c

<400> 283

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ttgtgggaga gttccccgc ctcagactcc tggtttttc caggagacac actgagctga 120
gactcacttt tctcttctg aatttgaacc accgtttcca tcgtctcgta gtccgacgcc 180
tggggcgatg gatccgttta cggagaaact gctggagcga acccgtgcca ggcgagagaa 240
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gcgagctaga cagccacttt cagaagcaag taaccagcag cccctctctg gtggtgaaga 360
gaaatcttgt acaaaaccat cgccatcaaa aaaacgctgt tctgacaaca ctgaagtaga 420
agttttctaac ttggaaaata aacaaccagt tgagtcgaca tctgcaaaat cttgttctcc 480
aagtcctgtg tctcctcagg tgcagccaca agcagcagat accatcagtg attctgttgc 540
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tgatgatatg acagatgaca ttccctgaaag ctcaactcttc tcaccaatgc catcagagga 720  
aaaggytgct ttcccttccc agacctctgn ttttcaaaan gccttcggna acttccagtt 780  
ggccaaaaaa gggggcccg 799

<210> 284

<211> 1489

<212> DNA

<213> Homo sapiens

<400> 284

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ctcttgatca gaatttccag gtggcctacc cagactactg cccgctcctg atcatgacag 180  
atgcctccct ggtagatttg aataccagga tggagaagaa aatgaaaatg gagaatttca 240  
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gcctgtktga tccttctgag agggaattgt acaagttgtc tccacttttt gggtcttatt 480  
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gatgagtgat ggatccacta ggggtgatatg gcttcagcaa ccaggaggga ttgactgaga 600  
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cactgaaata gtatgtggat gaattcacct acttacaatt ttatggtttc tttgtaaata 1440  
ataaatgtga atctcaattt tstaataaaaa aaaaaaaa aaaagttct 1489

<210> 285

<211> 702

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (695)

<223> n equals a,t,g, or c

<400> 285

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agcatttttt atcaggcagg accagggtggc acttccacct ccagcctctg gtcctaccaa 120

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tggattcatg gagtagcctg gactgtttca tagttttcta aatgtacaaa ttcttatagg 180
ctagacttag attcattaac tcaaattcaa tgcttctatc agactcagtt ttttgtaact 240
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tttaattcct tatcctagcc tttgggcaca attccygtgc ttcaaaatga gagtgcggc 660
tgggcatggt gggctcccgc ctgtaaattcc cagtnacttg gg 702
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<210> 286

<211> 1175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<400> 286

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cttcaaaatt atttgggcat agtgctctat gtttaataaa ggtttttata gatgttttat 180
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agtaatgttt gagaattact gggttaaatt gtgggaaagg gtccagattt taaagggtgt 720
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caaccctcaa attaaaacta gaactataga tccacatgaa cgcacgctg agatttggcc 840
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<210> 287

<211> 2873

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (829)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2870)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2871)

<223> n equals a,t,g, or c

<400> 287

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tgcaggtctt aaacgacaaa aatgtcagca atgaaaaaaa tacagaaaat tgcgacttcc 180
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<210> 288

<211> 2104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1323)

<223> n equals a,t,g, or c

<400> 288

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2104

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<210> 289

<211> 1251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<400> 289

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<210> 290

<211> 1591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (768)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1538)

<223> n equals a,t,g, or c

<220>

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<222> (1560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1568)

<223> n equals a,t,g, or c

<400> 290

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taagtgatag tcttaatact agtttttaga ctagtcatgt gagaacagat gattgatgtc 240  
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<210> 291

<211> 2386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 291

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ctttaagatc cagtaaatgt ctgttctact gtagtattac ttaaaa 2386
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&lt;210&gt; 292

&lt;211&gt; 983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 292

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983

<210> 293

<211> 2655

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2595)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2651)

<223> n equals a,t,g, or c

<400> 293

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<210> 294

<211> 1738

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1679)

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<220>

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<222> (1693)

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<220>

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<222> (1717)

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<220>

<221> misc feature

<222> (1729)

<223> n equals a,t,g, or c

<400> 294

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acatttgaaa aggtggagaa gctttgggag cttctgtgcc ctctgcttag aacagcactg 780
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tggtgaagga ggatcctttg tagatgcatg tcgactttat gtactacaag gtggccttgc 960
ccagcaagaa tggagagtgc ctgaactatt gcacagacta ctgaagtact tggaacccaa 1020
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catgatagat gtatctttgc caaataccac accaaccata tcgcctcatg tccctgagtt 1140
tactgctcga attctggaga aattgaaacc tctcatggat gtggatgaag aaattcagaa 1200
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gctttaccct catcaagtgc ctttggtact tcaggtgcta aaacaaacag caagaagcag 1500
ttcttggcat gcacgataca cagtactgac ctacctccag accatgggtat tttataacct 1560
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cttttgggag ggacgaacca actgggaggg ttccggagaa atgggctggc ctaacttanc 1680
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<210> 295

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<400> 295

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ctgctgttcc ctccsgtggt agcacgtcca gctgcacccg gaggccgatg gctgccaaca 180
cgtggtgaa tttgacttcc tggggaagga ctgcatccgc tactacaaca gagtgccggg 240
ggagaagccg gtgtacaaga acttacagct ctttatggag aacaaggacc cccgggacga 300
cctcttcgac aggtgacca cgaccagcct gaacaagcac ctccaggagc tgatggacgg 360
gctgacggcc aagggtgttcc ggacctacaa cgctccatc actctgcagg agcagctgcg 420
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ccgagtcgtg gccattctct gcaaccatca gcgagcaacc ccagtagctg tcgagaagtc 540
gatgcagaat ctccagacga agatccaggc aaagaaggag cagggtggctg aggccagggc 600
agagctgagg agggcgagg ctgagcacia agcccaaggg gatggcaagt ccaggagtgt 660
cctggagaag aagaggyggc tcctggagaa gctgcaggag cagctggcgc agctgagtgt 720
gcaggccacg gacaaggagg agaacaagca ggtggccctg ggcacgtcca agctcaacta 780
cctggacccc aggatcagca ttgcctggtg caagcggttc agggtgccag tggagaagat 840
ctacagcaaa acacagcggg agaggttcgc ctgggctctc gccatggcag gagaagactt 900
tgaattctaa cgacgagccg tgttgaact tctttgtat gtgtgtgtgt ttttttact 960
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```

<210> 296

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<400> 296

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tcgaccacg cgtccgaatt tttttctcag aatagcaata gcttatccaa agaaagctag 60
tgtacatctt ccaaagcttt taaaataaaa aagaggagga gttacacttg cagaatgtat 120
atcttctggg atgcttctcc ctactccact ggacactgtt tgaaagttag tagtttataa 180
tattcttacc taggctgtgt tggctcagctt agaatatcta agtgatagga taaaactaaa 240
gctgagtggc aaactgccag tctatatact gcatttagtc tataggctgt tttgtttggc 300
ccacaaagca ttttattatt taagtttatg ccaacattta agaatacaaga atttcccaga 360
cattcagatt tctgacttca attgaaaatc tgacagtata aacctatta tattcctgca 420
tggcataaaa tcttcagttg ctgaatggtg atatccactt ttagaaagag tactctaccc 480
tgttctgcat tcatacaacc taagccaacc cgcccttcac catcccactt ctctttcagg 540
ttatctgctt aggtggttag gcatttgtgt ttataaacct tgaactcaag ctgctagatg 600
gtcagttgca ttgtgaactg aactatctga atgatttttc attgtaaata tatagctatn 660
ggaccacttt aaatnccct ttct 684
```

<210> 297

<211> 1838

<212> DNA

<213> Homo sapiens

<400> 297

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ccggcggtggg tccgggcaag aaccgcttgt rgtttggttt aaattctgca cgggaggacc 60
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ggagaagagg ctaatgatga caagaagcca accactaaat ttgaactaga gcgagaaaca 180
gaacttcgct ttgaggtgga ggcattctcag tcagttcagt tggagttgtt gactggcatg 240
gcagagatct ttggcacaga gctgacccga aacaagaaat tcacctttga tgctggtgcc 300
aaggtggctg ttttcaactg gcatggctgt tctgtgcaac tgagcgggcg cactgaggtg 360
gcttatgtct ccaaggacac tcctatgttg ctttacctca aactcacac agccttggaa 420
cagatgcgga ggcaagcga aaaggaagaa gagcgaggtc cccgagtgat ggtagtgggc 480
cccactgatg tgggcaagtc tacagtgtgt cgcttctgc tcaactacgc agtgcgtttg 540
ggcgcgcgtc ccacttatgt ggagctggat gtgggccagg gttctgtgtc catccctggg 600
accatggggg ccctctacat cgagcggcct gcagatgtcg aagagggttt ctctatccag 660
gccccctctg tgtatcattt tggttccacc actcctggca ctaacatcaa gctttataat 720
aagattacat ctggttttagc agatgtgttc aaccaaaggt gtgaggtgaa ccgaaggcat 780
ctgtgagtg ctgtgtcatt aacacctgtg gctgggtcaa gggctctggg taccaggctc 840
tggtgcatgc agcctcagct tttgaggtgg atgtcgttgt tgttctggat caagaacgac 900
tgtacaatga actgaaacgg gactcccca ctttgtacgc actgtgctgc tccctaaatc 960
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gcaccaccta ctgagtgtta gcaactgmca gggtaacagag gagaacctgt ccgagacaag 1260
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accctagag gcagatgggc tgagataaaa gactgttggg gccacctgac cagtaaaactg 1500
tggaactagta gaaagtccat attctacctc taaaaacagg tagtggtaac ctgactcttc 1560
taatcttgaa ccaaaaggaa aacctagaga ctgtaattgg tttcttagac cacctaagat 1620
gccactttga attctctaag accctggaga attgcatttc tttcactgtg ctactatgtg 1680
gttttttaaaa aatcaatgct ttatatcca tatgtggttc ttaccattt atctaggatg 1740
aaagtgtgaa ttagagggac tccttccaat aaagttcaaa cttaaaaaaa atcattttta 1800
taaataattt tgccatatca taaaaaaaa aaaaaaaa 1838
```

<210> 298

<211> 1635

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1635)

<223> n equals a,t,g, or c

&lt;400&gt; 298

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gcggaagtgc ttcgcggcgg aggcccgggc aactcttttg aatggaatcg ggcctgattca 60
tcgcccggtt gcagactgag ccgcgtcggg tgtgcgccgc tgctgctgtt gcctctgtct 120
tcgcgtcacc acagaggcaa gacaagggtc catatcgccg catccggctc ccgcccgctc 180
tcaggagaga aagaaaaaat aaaatatact tggggaagtt gtacctgcca gaattagcaa 240
gagctttctt taagaagaca tttgtcaaac tcaacaaatt gaagggttaac accttaagag 300
ttgtagttac tgaccagaaa tatggacaga cttcttagac ttggaggagg tatgcctgga 360
ctggggccagg ggccacctac agatgctcct gcagtggaca cagcagaaca agtctatata 420
tcttccctgg cactgtttaa aatgttaaaa catggccgtg ctggagttcc aatggaagtt 480
atgggtttga tgcttgga gaattgtgat gattataccg tcagagtgat tgatgtgtt 540
gctatgccac agtcaggaac aggtgtcagt gtggaggcag ttgatccagt gttccaagct 600
aaaatgttgg atatgttgaa gcagacagga aggccggaga tgggtgttgg ttggtatcac 660
agtcaccttg gctttggttg ttggtttctt ggtgtggata tcaacactca gcagagcttt 720
gaagccttgt cggagagagc tgtggcagtg gttgtggatc ccattcagag tgtaaaagga 780
aagggtgtta ttgatgcctt cagattgata aatgctaata tgatggtctt aggacatgaa 840
ccaagacaaa caacttcgaa tctgggtcac ttaaacaaagc catctatcca ggcattaatt 900
catggactaa acagacatta ttactccatt actattaact atcggaaaaa tgaactggaa 960
cagaagatgt tgctaaattt gcataagaag agttggatgg aaggtttgac acttcaggac 1020
tacagtgaac attgtaaaca caatgaatca gtggtaaaag agatgttgga attagccaag 1080
aattacaata agcgtgtaga agaagaagat aagatgacac ctgaacagct ggcaataaag 1140
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tcaaatattg tccagtgtt agcagctatg ttggatactg tcgtatttaa ataaagcaac 1260
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ctgtaacacc ttcagttctca gttgtgcaat tacttctgtt tctttagtca gggctcttgc 1440
agattctaaa gttatacatg aatacatcaa agtggaacaaa ttttgtaag atccattta 1500
atatttgaaa aaatcagtag cacaaatata ttttgattgt cacttacaaa ataaaatata 1560
tttacagtcw aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaana aaaaaaaaaa 1620
aaaaaaaaaa aaaaan 1635
```

&lt;210&gt; 299

&lt;211&gt; 868

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (790)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (857)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (860)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 299

```
gctgaggggt agcgatgcgg gctccgggga tgaggtcgcg gccggcggggt cccgcgctgt 60
tgctgctgct gctcttcttc ggagcgggcg agtcggtgcg tcggggcccag cctccgcgcc 120
gctacacccc agactggccg agcctggatt ctccggcgct gccggcctgg ttcgacgaag 180
ccaagtccgg ggtgttcac cactggggcg tgttctcggt gccgcctgg ggcagcgagt 240
ggttctggtg gcactggcag ggcgaggggc ggccgcagta ccagcgcttc atgcgcgaca 300
actaccgcc cggttcagc tacgccgact tcggaccgca gttcactgcg cgcttcttcc 360
acccggagag tggggccgacc tcttccaggc cgcggggcgcc aagtatgtag ttttgacgac 420
aaagcatcac gaaggcttca caaactggcc gagtccgtg tcttggaact ggaactccaa 480
agacgtgggg cctcatcggg atttggttgg tgaattggga acagctctcc ggaagaggaa 540
catccgctat ggactatacc actcactctt agagtgggtc catccactct atctacttga 600
taagaaaaat ggcttcaaaa cacagcattt tgtcagtgc aaaacaatgc cagagctgta 660
cgacctgtt aacagctata aacctgatct gatctggtct gatggggagt gggaatgtcc 720
tgatacttac tggaactcca caaattttct ttcattggsty tacaatgaca gccctgkcaa 780
ggtctctgtn gggtcggtga gggcaaggac cctgttttat tcaacctggg aactcagtgt 840
ttgccacatg tgaggcncan ggtagttc 868
```

&lt;210&gt; 300

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 300

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ccacgacgtc cscggaacgc tsgettgcgg ggcttgagcc tctccgccgg cgcaggctct 60
gctcgcgcca gctcgtcccc gcagccatgc ccaccaccat cgagcgggag ttcgaagagt 120
tggtacttca gcgtcgctgg cagccgctgt acttggaat tcgaaatgag tcccatgact 180
atcctcatag agtggccaag tttccagaaa acagaaatcg aaacagatac agagatgtaa 240
gcccataatga tcacagtcgt gttaaactgc aaaatgctga gaatgattat attaatgcc 300
gttttagttga catagaagag gcacaaagga gttacatctt aacacagggt ccacttccta 360
acacatgctg ccatttcttg cttatggtt ggagcagaa gaccaaagca gttgtcatgc 420
tgaaccgcat tgtggagaaa gaatcgagt gtgaaacaga acaatatctc actttcatta 480
tactacctgg ccagaatttg gagtcccttg aatcaaccag cttcanttct caatttcttg 540
gntaaag 547
```

&lt;210&gt; 301

&lt;211&gt; 865

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 301

```
ttagtagaga tggggtttca ccacattggc caggctggtc tcaaactcct gacctcaagt 60
```



gaatccacct accttggcct accgaggtgc tggaattaca ggtgtgagcc accgcgcctg 120  
gcctaatact gctttattac aacgttatct gtgggtcgga atccttttat attggttaac 180  
agatgaccct gactcagaat aatctttttc aatggccttt tgagggaagc ttgtgaagtt 240  
ctgggtgaatc ttctttttca cttcactttc agtgagctga aagtaaccaa actaaatata 300  
tgtatttgtt aaagggacag gacaagacag ccttaaaaaa ttgaatatag ttggtgagac 360  
aactcagaag tacaggtttg agcatccctt attcaaaatg cttgagaagt gttttgggtt 420  
ctggaatatt tgcattaatg cttgccagtt gagcatccca ggtccggaaa tccacagtgc 480  
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aaaggaagaa gagattattt ttgtgggaga acagttttct ccatagtgtt tctgtggaa 660  
tgctagtgtc tcataaagtc ttcyaaaaaa aaaaaaaa aatcaaagt ttggaagcca 720  
ttttgtgtta ctgtgtgact ttcttttact caaaaacagc accataaaat ttctgacaag 780  
tactataggt aaagaaatcc ctttatactt aacctagtat tttctacctt tccccatcta 840  
aaataaaatt tttataccac tttct 865

<210> 302

<211> 815

<212> DNA

<213> Homo sapiens

<400> 302

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ctgagaaggg gacaaaaaga cctttccttt catgtccaga agaattgtatg taactaaagc 180  
tttgtcctct gtgaagaatt ataaaaggga ggggggaaaag gattcgctc tcctacagaa 240  
attctgaatt catttaagtt ctaagcattt gatttatgtt atttatacag ttgggatcta 300  
attaggaaaa tgtgttttgt agttctggat aaactatttc atccgctgtt tctcccca 360  
aacacacaca cagagcaaac tccctttcat aaaagccctc atatccactg gcagtccccg 420  
ttcgcatcat ggtctccatg tgtaccgcca aagtcaatta tgtttgaaag ctttgggtgg 480  
atgttatggg gcaaagtatt gatttacaca gaagcaactg ccaaactctgt ggtgcaacca 540  
ctatctccag tgaaatattg tataacacca tttggaacta ctgaaaagac agtggctttt 600  
ctacagtact cttccttatt gcaccatttt tgtattaacg tagaaactaa gcatcagaat 660  
ttatgaacaa agaatatgtt attttcccyt ttgcycataa atactgagga tttggggaag 720  
caattcyttt ttaaaaaaat tttggaataa ctaycttttg rtacacattc gggsggttac 780  
ggtgttgggg atttaggcag gactatccaa atccc 815

<210> 303

<211> 1919

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1907)

<223> n equals a,t,g, or c

<400> 303

actgacagta cggtcggaat tcccgggtcg atccacgcgt ccgcggacgt ggsacaaaaa 60  
cagatgctag gaagcttggc ttccctctct tgttgaccct tttttgaacc aacatctttt 120  
ttattatatt cagagtatgt ttttaagtgt atcttaatat atacattttt taggacatct 180  
taaactctaaa caaaaaataa aatgaacatc tcttgaaacc tgttaaaaca accagttaaa 240

gccacagatg gctttcagcg cagtagcagc agaggccagt ggactctgag gactcctgag 300  
gggcggggcg tgtagccaac cagggtgcatg ccggggaccat ggcccccata cttggctgct 360  
tcctgtgaca gtgaaataca tccttcaagg tggcagctgt tagggctgaa tcttctggag 420  
aaaaaggtgc catctcagga gaatagcttt tactctggta ggaatgcttc cgagacacca 480  
caaggcagcc tgaacactca gttgcagggt cgggcttgcg gtgggtgacc cagagccacc 540  
aaagtcacat ccacaactaa tgagggaaat ctgtaaagcc agttagatag aagaatttta 600  
tttttctgtg ggttttgtgt tgtctttttt atgttaaaaa gaaatccagt ttgtgttttt 660  
ctatagraaa agtaaaagat cagggttatac tttagggttag gggttctatt tattcctggt 720  
agtaataaaa attaacaact tctttgttt aacaaaagat taatctttaa accactaaaa 780  
tacatagact gattgattat tcaacacatt ggaattgatg tcggtcatag tttcctgaag 840  
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tgaatacagt ctcactcttc cgcgcctggc ttacctatct gtggaaagct aggcttccca 960  
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ttgagatttt cctccatttt tatttcttcg tgaacataga gtttggggcc gaaaatgttt 1440  
ttaaagtatg tgtttgagtt aaatataaag ttggttcact tcaaagctaa aaaattgtta 1500  
aacttgcagc ttggtattgc agagaagatt ttataagaat tttgctttag agaatgccac 1560  
tttggtgaa ctacaagtgt aggccaccat tataatttat aaatacagca tacttcaaaa 1620  
ctgtttgta tctcttgta ccatgtatgt ataaatggac cttttataac cttgttctct 1680  
gcttgacaga ctcaagagaa actaccagc tattacacaa gccaaaatgg gagcaaggcc 1740  
ttctctccag actatcgtaa cctggtgcct taccaagttg tgcttttctg ttttcaagt 1800  
taaagtatgt tgagcagaat gttgtacttg aaaatgctat aagtgagatg gtatgaaata 1860  
aattctgact tatgaaaaaa aaaaaaaaaa agtcgacgcg gccganatt tagtagtag 1919

<210> 304

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<400> 304

aggtgtacac cctgcccagc cacaagccga tttttaaaag gtcaaagtct atgacagcca 60  
ttttacagga aaaaaaaaaa ttgtatagtt gtgggtgacgt tcctcacaca gngcaccagc 120  
ttcaggagat ctgtcccttg cagacccctg aaccggg 157

<210> 305

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<400> 305

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aatgcagtgt ttctgattac tgatctctca ttacccaact atctgatggc atcttcgggt 60
ggactgcttc ctaccagct tctgaattct tacttgggta ccacctgcg gacaatggaa 120
gatgtcattg cagaacagag tkttagtggg tattttgttt ttgtttaca gattattata 180
agtataggcc tcatgtttta tgtagttcat cgagctcaag tggaattgaa tgcagctatt 240
gtagcttggtg aaatgggaac tggaaatctn ctctgggttaa aaggcaatca nccaaatacc 300
agtgggctct ttcattctac aacaagagga ccctaacatt ttt 343
```

<210> 306

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (661)

<223> n equals a,t,g, or c

<400> 306

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caaggaaaat caacatgtgc aacagacact taatagtaca aatgaaatag aagcactaga 480  
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gaccatgaag aangtagcct tctggaggag aaattcgggtg acagnctaca atnctggctg 600  
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<210> 307

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<400> 307

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cccactgcac agcaagttcc cccttggaag ccacgggcg cactgcccac aaatgcacat 240  
aatctctgca gaaatacaaa agccctaata ctggctgcac tggggacaca ggtaggagga 300  
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<210> 308

<211> 549

<212> DNA

<213> Homo sapiens

<400> 308

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cccagctgct gccttcatat tgaagggttt tgagttttgt ttttggtcct aatttttctc 180  
cccgttccct tttgtttct tctgtttgtt tttctaccgt ccttgtcata actttgtgtt 240  
ggagggaacc tgtttcaacta tggcctcctt tgcccaagtt gaaacagggg cccatcatca 300  
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caagctgtgt cctatgaagg ggtgtggggg gaggtagtga aaagggcggg agttgggtgg 420  
ggaacccaga aacggacgcc ggtgcttggg ggggttctta aattatattt aaaaaagtaa 480  
ctttttgtat aaataaaaaga aaatgggacg tgwaaaaaaa aaaaaaaaaa aaaaactcga 540  
gactagttc 549

<210> 309

<211> 1778

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature  
<222> (1704)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1744)  
<223> n equals a,t,g, or c

<400> 309  
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gccttgtagt ggtgggttggg ttcatttagt gatcacacac agtggttctac ttggcttgta 180  
aaatggtgcc ttggataggg tgagtttgga taagtatgta tgtatgtatg agttatagca 240  
aaattaagta gattgaatca agtccatgca aaagcaataa aacagtttta attttttaat 300  
tttttaaaaa ttaaaacttt aataaaacag tttttaattt ttgtctagggt tcttttaaaa 360  
aatgatgtaa cttacatgga agtcttcaca ggactttttt ctttcctgga actattgaaa 420  
tgtaatttag gatgatttga tcttccatct caagttgtca acatggctgt gtcattctgg 480  
cttaccatag ttttatttaa caaaattcta gtcaagggat aagggcataa tgaagacaag 540  
cttcagttat gaaagtacaa actatttgtg tgattaattt ttaaaaatga cattaagaag 600  
cccattgtaa aataatattt gcagtcaaat ggtttttctt gctgtaagtc ctggtgtagc 660  
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gtttaaaaag ttcagattcc tagctttgta cccagggtt gcctcagggt gtatgggctg 780  
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atanctcttc tatagtgtca ctaaattcaa ttcactgg 1778

<210> 310  
<211> 771  
<212> DNA  
<213> Homo sapiens

<400> 310  
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tttcatttca atcagttaaa aatacttgct cagtgttaaca attttgcttc tcagcttcca 180  
ctctaataat gttgtgccat taagcaattt agctaattct gacatttctt agattcataa 240

tgtaggagc atttaatctg tattttacaa gtaggaagc agaggatcag agatgggaaa 300  
ggactagccc aaggccaaca ttaacaagcc ctctaacaaa aactttacaa tacatttatg 360  
ttgaatggaa ctccaagatc tcacctctcc atccaggaat ggagtccatg taatcaaagt 420  
gaacttaaaa ataggacagt ttcaacaagt caggagattc acagcaactg atcaaagggg 480  
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tccttggtcc tgctagtgtc gctttacaaa tgcagaccat tctatcatac ctggcrgggc 660  
ttctgtttta tttttagaggc tggatgtctac ccagttcatg aatcgctaataaaaagccaat 720  
tagatcttta taaaaaaaaa aaaaaaaaaat tactgcggcc gacaagggaat t 771

<210> 311

<211> 1419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1005)

<223> n equals a,t,g, or c

<400> 311

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agaacagaca ttgtcatgga tggtggctgc agtataaatc cagccattga cataggccag 180  
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tcattctaagg gtctgggaga gtcgggggtg ttcctggggt gttccgtgtt ttctgctatc 420  
catgacgcag tgagtgcagc acgacaggag agaggcctgc atggaccctt gacccttaat 480  
agtccactga ccccgagaa gattaggatg gcctgtgaag acaagttcac aaaaatgatt 540  
ccgagagatg aacctggatc ctacgttcct tggaatgtac ccatctgaat caaatgcaaa 600  
cttctggaga aaacagagtg cctcttccca gatggcaatc tgctctatct ctgtgctgga 660  
agatgctaga tctgaaagac agagtttcca cagttcagaa atcatccac agtggtgctt 720  
ttctatggag ctgatttaaa gtattccatt tagatttgat agatatgctt aagcaatcta 780  
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acttgatcat ttaacattct gtgtatgtaa caaaatatca catgcataaa tattatgtat 1380  
caataaaatt ttttaatggg caaaaaaaaa aaaaaaaaaa 1419

<210> 312

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<400> 312

gggaagttca aaggaattt ttttattggt tagcttggtt ttaggttgca gtaaatcttc 60  
taggtcatcc agcaggatta ggaagagaag cattgtgaga aacaggtttt gggttttgct 120  
gaaatttgct tgtcagcatt gcatcacttt tccttaactg ttctctaagt actgatgtct 180  
ttcaaatgga ctcaagakcat actccttacc tttagcaga atattttgaa cagaaaawta 240  
agccattttc atttatatac ctaattcaat aggtttataa ataaaagggc aaatcctcac 300  
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cccccatggt cctcataaca agttagggaa actgaaattg ctggaaattt aggattctwa 480  
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<210> 313

<211> 2435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2408)

<223> n equals a,t,g, or c

<400> 313

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gaggggctga cagcacagta acgtgcatac atatctgcag ggctggaatg gaagctttta 2340  
aggtggtagt gatttttatt ttggaagaat catgttacct tttgtttaa taaaatttgt 2400  
actcaanaa aaaaaaaaaa aaaaaaaaaa aaaaa 2435

<210> 314

<211> 2543

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2538)

<223> n equals a,t,g, or c

<400> 314

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actgaaaaac ataatgctca tgggtgctggg aatgggtttac gttatggcct gagcagcatg 180  
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tactgctcaa cacatttatt agaacacatc actactaacg aagacttttag ggcagctgga 360  
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gttgatggca agggcccaac agaacaactt gtttctccag agcctgaggt ttatgraatt 780  
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ttacatgttg tggatgcttt gtaaacattt tcctgtatgt ttaaattgtg tttcagcagg 2520  
atgtagttgc ccttgtgnag gtt 2543

<210> 315

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (828)

<223> n equals a,t,g, or c

<400> 315

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ggctgtgtgt gctgggcctg gctcgcggcg aaccgagatg gcagagcagt cggacgaggc 120  
cgtgaagtac tacaccctag aggagattca gaagcacaac cacagcaaga gcacctggct 180

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cagaccaaag ttaaacaagc ctccggaaac tcttatcact actattgatt ctagtccag 420
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actgtccttt ctgcgctcaa atttttcgag tgtgcctttt tattcatcta ctttattttg 720
atgtttcctt aatgtgtaat ttacttatta taagcatgat cttttaaaaa tatatttggc 780
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<210> 316

<211> 1608

<212> DNA

<213> Homo sapiens

<400> 316

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aaagaagtcc tttcaagtct ctaggactgg actcttccta agcaagtccg gaagcaccct 180
cactatgtgg ctctacctgg cggccttcgt gggcctgtac taccttctgc actggtaccg 240
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ggtgaccctg gatgttacca agatggagag catcgctgca gctactcagt ggggtgaagga 480
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tggtgtgata caggtgacct tgagcatgct tcctttggtg aggagagcac ggggaagaat 660
tgtcaatgtc tccagcattc tgggaagagt tgctttcttt gtaggaggct actgtgtctc 720
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aagaaatatg ttggtgtggt tgtccttact tgaaatgggt ctgtattatg gtacttttaa 1560
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<210> 317

<211> 1057

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (958)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (966)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1035)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1053)  
<223> n equals a,t,g, or c

<400> 317  
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cagccttttag cttattcctc cttcaataca cgggaccttt ggtaatttg gggcaggaaa 120  
actcttaaag taatctctct tgggcagagg ccttattgca ccagaggaa aaagtatata 180  
cttcatttgc tgttactcca gttatgcctt aaattcattt gcttggtaat cctatcaacg 240  
rgcactaact tcttagtata ctttaaacac ttagttgggt aacactgaga ttttgttgtc 300  
ctttattttt tgctgagatg gagtcagtca gatgttagtc atagctaaca ccgaatttgt 360  
gttgtcattt agacagttac tgattcgatc tgctttatat atgagaacgt atttttaact 420  
attccaagaa ggaagaggta gctaaatgta atcccccttt cctatcccc cagaaaactg 480  
aactgtaagt tctaggtaga ctaattggga gcagacacgg agtttttagat gccttagcca 540  
aaccagcag aaacctttca cacagccact catcgtaaga aacgcagatt tttctcttct 600  
catgcttgtc tctggttccc tgcatttgta gtgacagaac tttcactagc aggatataaa 660  
gaaagtaatt atgcttgagg tccctcttta ctgggtttga gttaggtgca taacatggaa 720  
aggagtgggt ccttcaaagt aatgtgacca ctccgtattg tggagtgact tccctagggc 780  
atcctataca tcctaccaca gaaggccaag ggacagagca ccaacttcag tatccaagaa 840  
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gccgtcttcc ttctggctta gcagggtgctg cagctgtact ctgactcct gtctgtgnag 960  
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ttccttaaag tggcnttcat tggcccaatt cnttttt 1057

<210> 318  
<211> 1336  
<212> DNA  
<213> Homo sapiens

<400> 318  
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tatagagatt tgaactgga caatgtatta ctggactctg aaggccacat taaactcact 180  
gactacggca tgtgtaagga aggattacgg ccaggagata caaccagcac tttctgtggt 240  
actcctaatt acattgctcc tgaaatttta agaggagaag attatggttt cagtgttgac 300

tggtgggctc ttggagtgc catgtttgag atgatggcag gaaggctctcc atttgatatt 360  
gttgggagct ccgataaccc tgaccagaac acagaggatt atctcttcca agttattttg 420  
gaaaaacaaa ttgcataacc acgttctctg tctgtaaaag ctgcaagtgt tctgaagagt 480  
tttcttaata aggaccctaa ggaacgattg ggttgctatc ctcaaacagg atttgctgat 540  
attcagggac acccgttctt ccgaaatgtt gattgggata tgatggagca aaaacagggtg 600  
gtacctccct ttaaaccaaa tatttctggg gaatttggtt tggacaactt tgattctcag 660  
tttactaatg aacctgtcca gctcactcca gatgacgatg acattgtgag gaagattgat 720  
cagtctgaat ttgaagggtt tgagtataat aatcctcttt tgatgtctgc agaagaatgt 780  
gtctgatcct catttttcaa ccatgtattc tactcatggt gccatttaat gcatggataa 840  
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aaattaatac tactagcttc cagacaatca tgtcaaaatt tagttgaact ggtttttcag 1020  
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cactgcatta aaaaagtatc tgttgcatta aggcacatag tgggattaca tcataaacct 1140  
cccataattt ttgtcattct gtgttaaadc atttcagggt ttaattttga aataaaaagat 1200  
taataataaaa tgcaacaact ttttatatta cctattagtt ttggagttct ttatgtttaa 1260  
aaattcaggt gtaaatttta ttgccttgga taaataaatt attgatcctt ttaaggcag 1320  
cagttattaa attggt 1336

<210> 319

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 319

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atcgagcatt gatcaatgtc caaatgctga acaattcagg attcgctagg ggaattattg 120  
aagagttcca aaataataat gaccttgagt tacaacaaaa atgtattaat gtactaagca 180  
catatgctat gattcagga caaatgatg caaataagga gattgggcag ttcttcatac 240  
aaactttaac acagttgaat gtctgccctg aaattttgat agaaatgaca aattcgtttt 300  
tccaatttac ggggatgcct cttacggcta taatggaacc atwtttgtaa ggggtgggtt 360  
tttatcyatt ctaaargacc cagttgtacc caatttgrgg cmgcmattcc aaatgggtgg 420  
ttaaaccaca atncccganc twaargaagk tgccttggtt gctttactac gttgggtagt 480  
ttcatcacta caaatg 496

<210> 320

<211> 1756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature  
<222> (1718)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1721)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1733)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1750)  
<223> n equals a,t,g, or c

<400> 320

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gcggggctgt ggaaccaggg ccccgggggg ctgccgtgc cccgtcgccc gccccggccc 120
cgccgcctgc ccctgatcac ctgttccggc ccatcagcgc cgaggacgag gagcagcacc 180
ccaccgagat cgagtcgcta tgcatagaact gttactgcaa tggcatgacg cgcctcctgc 240
tcaccaagat tcccttcttc agagaaataa tagtgagctc cttttcctgc gagcactgtg 300
gctggaacaa caggagatc cagtcggcag gcaggatcca ggaccaggga gtgcgctaca 360
ctttgtctgt carggctctg gargacatga acagagaagt ggtgaagact gactctgctg 420
ccacaaggat tcttgagcta gattttgaaa ttctgcctt tagccagaaa ggagctctga 480
ccactgttga aggattgatc acccgtgcta tctctggcct ggagcaggac cagcctgcac 540
gaagggcaaa caaagatgct acagctgaaa gaattgatga gttcattgtc aaactgaagg 600
agctaaagca agtagcctcc cctttcactc tgatcattga tgatccctca gggaacagtt 660
ttgtggaaaa cccacatgct cctcagaaa atgatgcctt ggtgatcaca cactacaacc 720
ggacccgaca gcaggaagag wtgctggggc ttcaagaaga agcaccagca gagaagccag 780
aagaggaaga tctcagaaat gaagtgtctc mgttcagcac aaaytgcca gaatgcaatg 840
tccccgstca gaccaacatg aagctaattg tggcttgggt cgcctggaag tagatttcct 900
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gagcgttaca agcgcacctt tgacaaaaat gaggagctag ggctcaatga catgaagaca 1440
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tgtctttccc accagccctt gccatgggtg gggaggacat ctggctctgag tcagagatct 1620
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1756

<210> 321  
<211> 588  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (543)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (567)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (574)  
<223> n equals a,t,g, or c

<400> 321  
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tagtcccagc tactcaggag gcttgggttg gaggattgcc tgagaccagg aggttgaggc 180  
tgcaagtga cgtgatttca ccaccactcc agcctgggtg agaaagcaag accctatatc 240  
aatgaaaaaa aaaaaaaaaa aagaccagct ttgcagccag aagccagagg ataccaggg 300  
acagtagggc tcccagggtg ctggttctca gcacacctc catgaatctg cttgctgctg 360  
cttcagtgtg gtggccatcg tgcgtgtgta caaaccaggg ctgttcacag yttcctcagc 420  
ccccagaag gggagttggt cagggaagag acattttagt ttcattttgc cttgcaattt 480  
tctttcttcc ttgcaagggt cttcgggtgg anttcagttc accaaaacaa aaggcttaaa 540  
ccngggtttt tttaaggaga gggtttntta aatncccttt tgcccgcac 588

<210> 322  
<211> 738  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<400> 322  
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atcaggccca tttgtctccc ctgcaccgag ggaacaactc gagctttgag gcttccctcca 180  
actaccactt gccagcaaca aaaggaagag ctgctccctg cacaggatat caaagctctg 240  
tttgtgtctg aggaggagaa aaagctgact cggaaggagg tctacatcaa gaatggggat 300  
aagaaaaggca gctgtgagag agatgctcaa tatgccccag gctatgacaa agtcaaggac 360  
atctcagagg tggtcacccc tcggttcctt tgtactggag gagtgagtcc ctatgctgac 420  
cccaatactt gcagaggtga ttctggcggc cccttgatag ttcacaagag aagtcgtttc 480  
attcaagttg gtgtaatcag ctggggagta gtggatgtct gcaaaaacca gaagcggcaa 540  
aagcaggtac ctgtcacgcc cgagactttc acatcaacct ctttcaagtg ctgccctggc 600  
tgaaggagaa actccaagat gaggatttgg gttttctata aggggtttcc tgctggacag 660  
gggcgtggga ttgaattaaa acagctgcga caacaaaaaa aaaaaaaaaa aaaaaaaaaa 720  
aaaaaaaaag gggggggg 738

<210> 323  
<211> 876  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (759)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (761)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (786)  
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (798)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (857)

<223> n equals a,t,g, or c

<400> 323

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ncgcgatcgg tgccgcggct tctgcagga agtggctacg cgcgtccctc gggaaaagca 120
ggctttgcaa attggcagcc caagtytcag gggcctgtgc agtgactgat cattaccaac 180
atttcgaagt gagagatgtc acataaagag cgtcatttcg agcttctctt gaaaagttgt 240
aaggtgagct accctgggac tgtattcctg aatggcaatg tgatggcaga gtcctgcagt 300
attaccacct gaggacttgt gcaccagggt tcccaccac ccacttcagg cccttggttc 360
agggatgtgc ccgtcatgga aataacagggt gctgtggctc tgctggtttt ggctttcctt 420
ctctgtaacc ttccaatata tttctccttc caggtagtgt aaaccactta gtaattaatt 480
agttaataaa ttcattctcat cagcactttt aaaataatgt gctaggccac actgtcatgg 540
accccagata tacagcagca aacaaagcag ccattggtacc ttccctcagg gagcagtcag 600
tccagtggag gagtcatgata tgactcacca cacagatcga aaaatctyca caaattatga 660
gaagaatgct gaggggaagaa agaacatagg tggacccgct gctgagtcca ggcttacttg 720
cagagatcta tgctggccag gccctgtgct aggcagcana ngacatggaa taaaatcaaa 780
taaggncact gtgtgcangc accttacggt gtgggaaaag gaacaagccc cattcacagg 840
gttttattaa tttccancct gtgagaaatt gggaac 876
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<210> 324

<211> 1322

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1309)

<223> n equals a,t,g, or c

<400> 324

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cgctgcggcc gccgcggaat aataagccgg gatctaccat acccattgac taactatgga 120
agattatacc aaaatagaga aaattggaga aggtacctat ggagtttgtt ataagggtag 180
acacaaaact acagggtcaag tggtagccat gaaaaaaatc agactagaaa gtgaagagga 240
aggggttcct agtactgcaa ttcgggaaat ttctctatta aaggaacttc gtcattccaa 300
tatagtcagt cttcaggatg tgcttatgca ggattccagg ttatatctca tctttgagtt 360
tctttccatg gatctgaaga aatacttgga ttctatccct cctgggtcagt acatggattc 420
ttcacttggt aagagttatt tataccaaat cctacagggg attgtgtttt gtcactctag 480
```



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aagagttctt cacagagact taaaacctca aaatctcttg attgatgaca aaggaacaat 540
taaaactggct gatttttggc ttgcagagct tttggaatac ctatcacagt atatacacat 600
gaggtagtaa cactctggta cagatctcca gaagtattgc tggggtcagc tcgttactca 660
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cttttccatg gggattcaga aattgatcaa ctcttcagga ttttcagagc tttgggcact 780
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aaatggaaac caggaagcct agcatcccat gtcaaaaact tggatgaaaa tggcttggat 900
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<210> 325

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<400> 325

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acctcaggagc tctagtctct gccctactct tccaactcac tccctctctc cactactcca 180
ggcagggttca gtcttcttgt tagtcccaga agctctgtgc tcatccctct catccgagcc 240
tccatattgca ggttcctgca aagcttggtt atctgcagat ggaagcagcc aggactgaga 300
tcatagaatg gggacatacc agcctaggtc aaggaggagca gt 342
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<210> 326

<211> 3690

<212> DNA

<213> Homo sapiens

<400> 326

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cacgcgtggc ttttgggggc agaccccggc gggctgtggc aggagggcgc cggcggcgcg 120
tgcggtcgaa gaaggggacg ccgacaagag ttgaagtatt gataacacca aggaactcta 180
tcacaatttg aaaagataag caaaagtttg atttccagac actacagaag aagtaaaaaat 240
gcgtccaatg cgaatttttg tgaatgatga ccgccatgtg atggcaaagc attcttccgt 300
ttatccaaca caagaggagc tggaggcagt ccagaacatg gtgttccac acggagcggg 360
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cgctcaaagc tgtgtccgac tggatagacg agcaggaaaa gggtagcagc gagcaggcag 420  
agtccgataa catggatgtg cccccagagg acgacagtaa agaaggggct ggggaacaga 480  
agacggagca catgaccaga accctgcggg gagtgatgcg ggtgggcctg gtggcaaagg 540  
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aagacaagta cgaaatactg caatctgtcg acgatgtgc gattgtgata aaaaacacaa 720  
aagagcctcc attgtccctg accatccacc tgacatcccc tgttgtcaga gaagaaatgg 780  
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cgggcatcgt gatgccagat ggttctggca tttatgacct ttgtgaaaaa gaagccactg 1140  
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caagatgccc aagaaacca aagaatgaaaa cccagtggac tacaccgttc agatcccacc 1320  
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<211> 719

<212> DNA

<213> Homo sapiens

<220>

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<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (701)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (709)

<223> n equals a,t,g, or c

<400> 327

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gcaccacgcc ggggggcacg ctatacgcca ctacccccgg aggcaccagg atcatctacg 180  
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tgaaggagca ggagacagag gaagagatac ccgatgacgc acaatttgaa atggacatct 360  
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caccacctct tccggggca tccaanagcc agctggcctc atctaattctg gaagggagtg 480  
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aacttgccaa gcccttaact ctacttcctc ttcagtctgt ggtactcctc ctaaccctaa 600  
accctctatg ctcaggggct ggaactgggg aatggagtaa gtcaccttct gactgcttag 660  
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<210> 328

<211> 989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (968)  
<223> n equals a,t,g, or c

<220>  
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<222> (982)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (984)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (986)  
<223> n equals a,t,g, or c

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agttgcagct cccggagctc cggcgggcggc tccaccggcg aaagagatcc cggagntcct 180  
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tgccaagtgc ttcgagatct cggacgcgga caccaaggag gtgttcgcgg gcaagattgt 300  
gcctaagtct ctgctgctca agccgcacca gagggagaag atgtccatgg aaatatocat 360  
tcaccgcagc ctgccccacc agcacgtcgt aggattccac ggctttttcg aggacaacga 420  
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gaggaaagcc ctgactgagc ctgaggcccc atactaccta cggcaaattg tgcttggctg 540  
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cggggagagg aagaagaccc tgtgtgggac tcctaattac atagctcccg aggtgctgag 720  
caagaaaggc cacagtttcg aggtggatgt gtggtccatt ggggtgtatca tgtatacctt 780  
gttagtgggc aaaccacctt ttgagacttc ttgcctaaaa gagacctacc tccgatcaa 840  
gaagaatgaa tacagtattc ccaagcacat caaccccggt gccgcctccc tcatccagaa 900  
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tctttcgncc caaaaaaaaa angngnatt 989

<210> 329  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 329  
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atgccccctgc atactattat tccgttggtta caagagctta caaagagggtt acaaggacat 180  
cctaatagtg ctgtgctaata ggttcagtggt ctaaaatgtg tgttaacagt tcatgcatca 240  
tacctgtcca cgttgccctga cctgggtaccc cagctgggga cactctacca gttaatggaa 300  
agcagagtca aaacttttca gaaactttca caccttcatg gaaagcttat tcttctaatt 360  
acacaagtaa cagcatcaga gaagacaaag ggagcaactt cccctggaca gaaggcaaag 420  
ttggtgtatg aagt 434

<210> 330

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

<400> 330

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ttaaccctgc agtccaccaa cagcacacg cagagcagca gctccagctc tracggaggc 120  
ctcttccgct cccggcccgcc ccactcgctc ccgcctggcg aggacggctg tgttgagccc 180  
tatgtggact ttgctgagtt ttaccgcctc tggagcgtgg accatggcga gcagagcgtg 240  
gtgacagcac cgtaggcagc cggagaatgc agcccaagca gggcctggca tggggcagga 300  
caggggtccag ccttttccta acatctgcct gtgccacaac ggccagcagg tgccccatcc 360  
tctgcccaca gcaractctg tcccatggct ctccgggcag tagagtgtgt gagtgcagac 420  
tggacctgtg gttcatacct tgtcaccacc cgggaagctg aaggccactt yctcccagat 480  
ggcctcagca ggaccatcgm cctttctcag agcagagggc caggtataga aaccgcagtg 540  
ggcctgcaag ccgcccaggs ctycccagca gcctcctaca gagcaggaag agggcgccct 600  
gttgaaccct gagtgtttgc agggccagca gaccctgctg ttaccaagcg caccctngct 660  
ttcgaacatt aacttcctta acttngggac agtagg 696

<210> 331

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (532)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (541)  
<223> n equals a,t,g, or c

<400> 331  
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actgctgcac ctggtgctgt ccatggggct gcagctgtac ggtttcaggc agcggcasga 180  
ngccaggaag gagtggaggc tgcaccgcgg cctgtytcac cgcaggcctc cttggaggag 240  
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gccacgccct gcggccamct gttctgctgg gagtgcattca mcgctgtgtg cagcagcaag 360  
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cactaccgct tgaaccggcg cccgggttgg gccttgagaca caaattgaac tctacgggaa 480  
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n 541

<210> 332  
<211> 305  
<212> DNA  
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<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<400> 332  
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tccctggctg ggctggcgga ggccttgctg atgaacctga ctgagggtcc cctggcgatg 180  
gcagaaatgg accctacaca gggccgtgtg gtctttgagg acgtggccat atatttctcc 240  
aggaggagtg ggggcacttg atgaggtcag agattgctgt accgtgatgt gatgcttgag 300  
aattt 305

<210> 333  
<211> 445  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<400> 333

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gactgaggaa agctcgctcc ctgcccaggt ttttcattgt tgatcgaaat taacaccagg 120
tggtgaatag agcccctsc t aaggttgctc aggataaatc atttattaaa taggtctgct 180
tatcaggagg ggcgtgaagg ctcccaaaag gaaatgctgg cacctgggcc cagaagccag 240
ggccttytaa ctctgggggt tgatttcttc agtgaagttg caccctacaa agggaaatag 300
gccmaagcgg gcacttcaac tgggaaggctg rtatcaggcg rttagacagc catggcattt 360
ctggcgttta gtctgggaat ggggttggtg aggagggtgg acttataatg agggacttac 420
cagttccccg tttggatttt ggatg 445
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<210> 334

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<400> 334

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taaattttta aagatgatgg actagactca agtatttttn aggactgtcc caatcataag 120
tctgaaggat ttcagtgttt atcataacat ttgacataca gttggcactt ggtaggtact 180
gaatcaatga ataggagtta ttggttgccct attcagaggc ttgtgggagt tgtcatcccc 240
attgcagaga gccagttggt gaatcagcaa ggtttccatt tatgctgctc cctccaccc 300
agtcccctgg agggact 317
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<210> 335

<211> 1524

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1441)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1511)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 335

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atctgtatta gccttggtgcc ttctcaattt ggaagtggaa actttgaaat ctggtgaatt 120
actggaaatt ctcttgctag ttaaaaaaca ttccaagatt aatgacactg agttcttcta 180
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aagtgaggac tcttggtgaag atatgagttg tggagaggag agtctcagca gctctcctcc 420
cagtgatcaa gagtgcacct tctttttcaa cttcaaagtg gcacaaacac tgtgctttcc 480
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cttaagctaa ntgtttactg ggna 1524
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&lt;210&gt; 336

&lt;211&gt; 306

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 336

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ttttctctc agagccttat tagcaattgg caatcttaaa atttcatctc ctaagcaggg 120
tccttatcag atattccttg acccccctat gttaagtgtc ttagccactc attgttaagc 180
caactgctaa aatcttagaa aaatatttca gccttctcct accccatccc ccacccccac 240
aagcttctag cttcttctac ctacagcaaa tgttaaaact ggtcagaagt tatattattt 300
actctg 306
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<210> 337  
<211> 291  
<212> DNA  
<213> Homo sapiens

<400> 337  
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acctaattga cctggggaaa gcagaatgcc taactccagc ctgtggtatt ttgttatggc 180  
aggctgagca gactaataca gactttaata tacagactaa aagtaaaggg atggagaaaag 240  
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<210> 338  
<211> 1264  
<212> DNA  
<213> Homo sapiens

<400> 338  
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gccccagga gttggaaaaa caacattgat ccataaagcc agtgagggtt taaaatcctc 180  
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gcagttggca ctaccctgtc tgaggaatgc cgactgcagc agtggcccag ggcaaagagt 420  
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gaagtgaaga cacgtgcatt cctgccttcc gtgaaggagt gccagttca agaggagcct 720  
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tattattcca aaagaaaacc attttaggtc atctccccc actctgtttg cttactgctt 1200  
aataaatata aaaataaatc tgatggttac agamarkaaa aaaaaaaaaa aaaaaaaaaa 1260  
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<210> 339  
<211> 759  
<212> DNA  
<213> Homo sapiens

<400> 339  
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gggggttccaa taggatacaa aggaagcacc ttccacaggg tcataaagga tttcatgatt 240  
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tttgcagatg aaaatttttaa acttagacac tcagctccag gcctgctttc catggcgaac 360  
agtgggtccaa gtacaaatgg ctgtcagttc tttatcacct gctctaagtg cgattggctg 420  
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gagaatgttc ccacaggccc caacaataag cccaagctac ctgtgggtgat ctgcagtggt 540  
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tgagtaagat aatctggact ggcccccgtc tttgcttccc tgccctgctgc tgccccattt 660  
gatcaagaga ccatggaagt gtcagagatt cagaatccaa gattgtcttt aagttttcaa 720  
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<210> 340

<211> 2639

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1651)

<223> n equals a,t,g, or c

<400> 340

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<210> 341

<211> 1824

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1807)

<223> n equals a,t,g, or c

<400> 341

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<211> 4531

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<400> 342

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<211> 584

<212> DNA

<213> Homo sapiens

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<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<400> 344

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<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (223)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 345

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<213> Homo sapiens

<220>

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<222> (376)

<223> n equals a,t,g, or c

<220>

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<222> (408)

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<221> misc feature

<222> (427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<400> 346

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<210> 347

<211> 782

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 347

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<210> 348

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (369)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 348

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&lt;210&gt; 349

&lt;211&gt; 2356

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 349

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<211> 1219

<212> DNA

<213> Homo sapiens

<400> 350

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<210> 351

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (405)  
<223> n equals a,t,g, or c

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<210> 352  
<211> 1283  
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<213> Homo sapiens

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<210> 353  
<211> 3229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 353

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<210> 354

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 354

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<210> 355

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (80)

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<400> 355

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<210> 356

<211> 1695

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 356

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cctgcggcag cattggcctt tgcagcggcg gcagcagcac caggctctgc agcggcaacc 180  
cccagcggct taagccatgg cgcttctcac ggcattcagc agcagcgttg ctgtaaccga 240  
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<210> 357

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (928)

<223> n equals a,t,g, or c

<400> 357

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gacccgcccc ccaccagcta cgcgccgtcc gacgtgccct cgggggtcgc gctgttcttc 120
accatccctt tcgccttctt cctgcccagag ctgatatttg gggtcttggt ctggaccatg 180
gtagccgcca cccacatagt atacccttg ctgcaaggat gggatgatga tgtctcgctc 240
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tttgaatcct ggagagtctt ggacagcctg taccacggga ccactggcat cctgtacatg 360
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atttactaca ttaattcggc agcctcgttc ttgccttca tcgccacgct gctctacatt 480
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tctttgaaag ctccaattat tgggtcccaa aagcagcttc caacgtttgc catctggatg 600
acaaacggaa gatccactaa aacgtccacg ggattaacag aacgtccttg cagactgagc 660
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ctttttcctg ggaaaacaac tgtctcttgg aattatctga ccatgaactt gctcttctag 780
acaactcaca tcaaagccct cactccacta atggagaatc ctagcccccac taatgccaag 840
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rtccgatctt tttttttgtt ttgttttn 928
```

<210> 358

<211> 1374

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1374)

<223> n equals a,t,g, or c

<400> 358

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gctctgttgc ttcgaaactcc agtggtcaga cctgctcata tctcagcatt tcttcaggac 180
cgacctatcc cagaatggtg tggagtgcag cacatacact tgccaccgag ccaccattct 240
ggctccaagg ctgcatctct ccactggact agcagagagg ttgtcagtgt tttgctcctg 300
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gccctcactc ttcattggtca ctggggcctt ggacaagttg ttactgacta tgttcatggg 420
gatgccttgc agaaagctgc caaggcaggg cttttggcac tttcagcttt aacctttgct 480
gggctttgct atttcaacta tcacgatgtg ggcattctgca aagctgttgc catgctgtgg 540
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```
aagctctgac ctttttgact tcatactttg aagaattgat gtatgcctct ttgcctctgc 600
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gccttcttct cttaatcaca agattatttt cagaatttaa tctttgagga aaagggttga 720
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ttaattocca aatgtattct acttgttcta aaacaatctg tccacaaata taaaactata 1260
agtaataaat tgttattttc gcacaatggg aatctctaat gtgaaaatgt attctatgaa 1320
aataattttt ttaataaaaa tgttatataa taataaaaaa aaaaaaagaa aaan 1374
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<210> 359

<211> 4152

<212> [NA]

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 359

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tttctgctt gggaatgttc ctgggctgtg agatccactc ttctgggcag gtggttagca 180
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cagaggctgt gaagtcgtct tccgcaatga gagccacgtc agctgccagt kcaaccacat 720
gacgagcttc gctgtgctca tggacgtttc tcggcgggag aatggggaga tctgccact 780
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<210> 360

<211> 1156

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<400> 360

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ggaggactcc ctgcccgcac gggacctggc actcgccgat gagccagcag gaacgcccgc 180
ctgtccatca cgtcgggtac atcgtgcag atccggccca gcgggaacct gccgmtggct 240
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catgctgacc tccgcatcca tggctacgtt gacgagggtca tgaccgggt catgaagcac 360
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gctctatccc cgscggmccc aagcaggagm cctgcgcccc gcacaacggc tyararcccg 540
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aaaaaaaaaa aaaaaa                                     1156
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<210> 361

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

&lt;400&gt; 361

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ggtaaattctt tcttttgatt cagcagtttg gaaacctggc taacatgggtg aacctgggtg 180  
ctactgaaaa tacaaaaaat tagccagggtg tgggtggcaca atgctgtaat cccagctact 240  
caggaggctg aggaggaga atcgcttgaa cccgggaggt gggagggttac agtgagccaa 300  
gtttgtgcca ctgcattcca gcctgggctt atagagtggg acttccgtct tcaaaaaaaaa 360  
aaaaaaaaaa nctngn 376

&lt;210&gt; 362

&lt;211&gt; 519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 362

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cagggataag tccatgcacc tgtggatggc agtggttgag ctgggttctct ataaaagtat 240  
ccagtgccca gacctttggt cacacatgca tgtaaattta ctgggaaaac tctagagacc 300  
aatgttcttt cttccacaga aatctggcct agcagtctat tcttaaattg ctcttttgtgt 360  
gtaagacaca tctgtttgat accccactct gccctgactt ttaggcaaat ccgttaggac 420  
aggaaccact attttctttc cttccctttg aatcatcttt taaagcagca gaggcaatgt 480  
tkggcagagg tccacattgg gaaagttagt gcatcanga 519

&lt;210&gt; 363

&lt;211&gt; 1385

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1320)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1350)

&lt;223&gt; n equals a,t,g, or c

<220>

<221> misc feature

<222> (1360)

<223> n equals a,t,g, or c

<400> 363

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ttccttgtcc cggggagtcc gcgcctccca cgccggacct ggaagagaaa agagcaaagc 180
ttgcagaggc tgcagagaga agacaaaaag aggctgcac tcggggaatt ttagatgttc 240
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ttctctttga gtaaatgaag attcagactt tgtaatatta ttgcccttaa gtgcaatgct 480
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cctacatttg ctcttctgca gttagtgggt gatttgctat tttcttagt agttaaaaaa 600
tggaactaaa tagtgaatat acatacactg catgtaaaca ttctgcatat acctctaaga 660
ttaaaattcg cagttgtctt ttca+ccctt ataaaatgat ctaactactt atatttgtgc 720
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gaaggagcac tgtaaatttt tataacttag taatgagtat tcttaggcag atgtaaaatt 900
ttttccaatt tatttttatt tatgtagctt ataaaattaa cataccctgt tttactttat 960
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1385

<210> 364

<211> 977

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

&lt;400&gt; 364

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ttgggggaac actgtttttc ctgcatcatc ctgcatttgc tccccaagca atgtagaggt 180
gtttaaaggg ccctctgctg gctgagtggc aatactacaa caaacttcaa ggcaagtttg 240
gctgaaaaca gttgacaaca aaggggcccc atacacttat ccctcaaatt ttaagtata 300
tgaaataact gtcattgtct tggccaaatc agaagatatt catcctgctt caagtcagct 360
tcagaaatgt tttaaaaggg acttttagctc tggaactcaa aatcaattta ttaagagcca 420
tattctttta aaaaaaaaaa gctggataat attmtctgta atatttcagt cttttacaag 480
ccaaatacat gtgtcaatgt ttctagtatt tcaaagaagc aattatgtaa agttgttcaa 540
tgtgacataa tagtattata attgggttaag tagcttaatg attaggcaaa ctagatgaaa 600
agattagggg cttccacact gcatagatta cacgcacata gccacgcata cacacacaga 660
cacacagatg tggggtacac tgaacttcaa agcccaaatg aatagaaaca cattttctgg 720
ctagcagaaa aaaacaaaac aaaactgttg tttctctttc ttgctttgag agtgtacagt 780
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gnjaaaagga caaaaaa 977
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&lt;210&gt; 365

&lt;211&gt; 964

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 365

```
gttcggcaca gaaagggaga tgggtagcat cattttgatt aacatttggg gcctgatagg 60
ggaaatggtg aagcaatgga aaagaacaga caactaatga tttgcttcta tgtccagaat 120
attttacctt taaaaaaatg tcattggcac cataaataag gactgtgaga gactgtttaa 180
aagctgtgaa agtctgaaac ctataagcca aggtgttccc tgccataaact tattgtgtt 240
cccacaaagg actaagcctg ttcataagtt accaaagttg ccattttgga gatggaaatt 300
gacgaggagg gaaggtcttt tattggagag tatacagtac aagcagatca ttctgcctta 360
gaggtgctaa ttcccgaaat tagaagaccc tttcttttcc agtaacgaag ttataaatat 420
cagcttgctc atccaagcca ctggctgagg tggttaggaag aggaagaggg tggtagagga 480
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tttactttga gctttgaaca ctgaaaccat tggtggcagg gttcagtcac tgacagcaca 600
agtttctact aattgatcca agagtttagt gatttcaaaa gccttgggtct caggagaaga 660
ttaaactttc atattgggca gtggttctact ttaaaacaca cacatacaca cacaaaacaa 720
ttttttaaga aatcctaata agtaacatac ccaaaatgct ctgtcttgag tcatgagaac 780
catcagttct tgatattgtc tagacttgca tctagagcta cgttgtaaaa ttcttttagg 840
catgtgttag atttctgtgt aaactttgtt taaatgtaaa cttcatacta cattgtcagt 900
ttttgtctta ataaaactat agatttataa aaaaaaaaaa aaaaaccgcg gggggggggc 960
ccgg 964
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&lt;210&gt; 366

&lt;211&gt; 1297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 366

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ggagttcgag accagcctga ccaacatggc gaaaccccg ctctactaaa aatacaaaaa 120
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ttagctgggc gttatggcgg ggcctgtaa tcccagctac ttgggaggct gaggcagaag 180  
aatcgcttaa acccaggagg cggagggtgc agtgagctga gatcatgcca ttgcactcca 240  
gtctgggcga caggagcaag actctgtctc aaaaaaaaaa atcattcttt ttagtcttag 300  
cacctactta aggatccact tttagggtc acccacattt gtttctagat ttacccttgc 360  
gctagagtaa gcactttatc tccagaactg agagcaaagt taacaaatct cacccttct 420  
ctcctgcaaa ttagtggaac gactccctgg aacatgtttg gggcttccac ctagggccac 480  
ctagtggat ctctgggtct ttacttggc agatgtttat tctacattgt tccccaggaa 540  
cagagtatga gctcattgat gcagaccgat tctaattgcc aggccctaata ttgcagacta 600  
actctcataa taaacagagg cccatagttg tttatgaact gcttatccct taaaggagca 660  
caagaacccc tccctgccct ccttgggcac cctgcctcca ggagatggag gcacgtgata 720  
agacaaaaga ctgcaccaac tcaccctgac acagttacat agtcactgag agtggggaag 780  
atgggacagc ccacatgctg cataagatgg gccttatgca gcaggcccag gtcgtcatta 840  
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gtaccagcag cacctatccc aagtgtgat cttcatccca acactccctc ttggagctgt 1020  
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agaccaggc ctgctgcctg catctgcatt cctccttcc agtggtcctt agaacagaca 1140  
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tctttactat gcactttagc ttataaagcc aattaaaaac gatgattgag aaaaaaaaaa 1260  
aaaaaagggc ggcgctctta gaggatccaa agcttac 1297

<210> 367

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (704)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (746)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (753)

<223> n equals a,t,g, or c

<400> 367

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agcccctgga ggactcgact cactgggtgc cgatttaggt ccggagaggc gttgtgaggt 120  
gagctttttc agaagcgcga tcccaggaca cgtcgggaag caagcatccc cagagctgct 180  
tggaagagg accaaagacg tctaaaaagt catttggaat tatctctaaa tatttgttac 240  
catgtataag ctgctaaaga gaaattgggc ccaacaaaac taattgaata attgaggcag 300  
atttgtgtgt atcatcaaat tctatccaga agttgaagaa tctgaattta aagatttgtt 360  
gcatttaata agaggatgac ctttcagttt aatttcaact tagaagacca tctggaaaat 420  
gaattaacac ccattagaga tggagctttg accctggatt cctcaaaaaga gctgtcagtc 480  
tcagaaagtc aaaaaggaga agagagggac agaaaatgtt ctgcagaaca atttgacttg 540

cctcaggatc acttggtggga acataagtca atggaaaatg cagctccctc tcaagacaca 600  
gacagtccac tcagtgcagc cagcagttca aggaacttgg gagccacatg ggaaaacagc 660  
cctccttgag agctggccaa aggrgcmgtg tatgccttaa aggnntttaa gaagrtgttt 720  
aggaaaatwa aagtycttag gaaacnttta ccnggggttt ccmgyctgtt taagttwttc 780  
rgtta 785

&lt;210&gt; 368

&lt;211&gt; 920

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 368

ggcagagctc atgccatcac agtatctgtt gcaaatraaa aggcactagc taagtgtgag 60  
aagtacatgc tgaccaccca ggaactagcc tccgatgggg agattgaaac taaactaatt 120  
aaggggtgata ttataaaac aaggggtggt ggacaatctg ttcagtttac tgatattgag 180  
actttaaac aagaatcacc aaatggtgtt ctgtggctgt ggagatgaga gcaggatccc 240  
agctgggacc tggatatcag catcacgcac aacccaagcg caaaaagcca tgaactgaca 300  
gtcccagtac rgaaagaaca ttttcatttg tgtggatgat ttctcgaaag ccatgccaga 360  
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acaaaccttg tatagtgtat gttttgccat atttaatat aatagcagag gaagactcct 540  
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ataaactaat tcacacaagt gtttgtctta gatgattaag gaagactata tctagatcat 660  
gtctgatttt ttattgtgac ttctccagcc ctggtctgaa tttcttaagg tttataaac 720  
aaatgctgct atttattagc tgcaagaatg cacttttagaa ctatttgaca attcagactt 780  
tcaaaataaa gatgtaaatg actggccaat aataaccatt ttaggaagggt gttttgaatt 840  
ctgtatgtat atattcactt tctgacattt agatatgcca aaagaattaa aatcaaaaagc 900  
actaagaaat amaaaaaaaaa 920

&lt;210&gt; 369

&lt;211&gt; 834

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (831)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 369

cctagaacgc tttgcgtccc gacgcccga ggtcctcgcg gtgcgcaccg tttgcgactt 60  
gggtacttggg aaaatggaca aggattgtga aatgaaacgc accacactgg acagcccttt 120  
gggggaagctg gagctgtctg gttgtgagca gggctctgcac gaaataaagc tcctgggcaa 180  
gggggacgtct gcagctgatg ccgtggagggt cccagccccc gctgcggttc tcggagggtcc 240  
ggagcccctg atgcagtgca cagcctggct gaatgcctat ttccaccagc ccgaggctat 300  
cgaagagttc cccgtgccgg ctcttcacca tcccgttttc cagcaagagt cgttcaccag 360



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acaggtgtta tggaaagctgc tgaaggttgt gaaattcgga gaagtgattt cttaccagca 420
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caatcctgtc cccatcctca tcccgtagca cagagtgggtc tgcagcagcg gancctggg 540
caactactcc ggaggactgg ccgtgaagga atggcttctg gcccatgaag gccaccggtt 600
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agctacctcg ggctccccsc ctgctggccg aaactgagta tgtgcagtag gatggatgtt 720
tgagcgacac acacgtgtaa cactgcctcg gatgcggggc gtggaggcac cgctgtatta 780
aaggaagtgg cagtgtcctg ggaaaaaaaa aaaaaaaaaa aagaaaaaaaa naaa 834
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<210> 370

<211> 947

<212> DNA

<213> Homo sapiens

<400> 370

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aaaagaaaaa gctccctcag attgtgttac taggagtctc ttttgtgaca ttactgasc 180
tttctcccca atcttacctt cctattgggt actttttaa taaaaataaa cattttaggc 240
taatatgaca aaaatgagat aaaatcttaa aaacattgta ctagtgtaca gttactaaaa 300
tgtgttact acaaaacagt aaaatatttc actctgtaaa tcatcactaa gtagttattc 360
tgtcctgttg attatgagcc tccaaaaatg tttaatgctt gamggatggg ttgggaggca 420
gggaatcctt wtcttaaaac ractktaatg aggcataatg tacatatcat aaaacaccca 480
tktcaagtgt acatytacgt gatttttagta acttccctca gtggtgtagc tgtarctatt 540
actcagttyt agawcatktt tatcccccca ataagatctt catgctcwkt tacagttaac 600
ctgtgcttac cccagcaaca ctaatctact tctctataaa ttgcctttct ggcagtcaat 660
catggaatca tcatagtggc cgtgggtctgg cttgtactag aatgtttgag gttgtcagca 720
gtacgtctgg actgtcgata tgcggggaac ggtgtgtggc cattgctgcg ggcttacatg 780
gtcatctgtc tacgactcgc gtgctatgga cgtgggtcaaa ccacggggag cgtctccgcg 840
tcgagttttg cttgtgtagg ggcactgggt cagtttggtg ggagaggccg gtccccgggg 900
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<210> 371

<211> 2340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2301)

<223> n equals a,t,g, or c

<400> 371

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caggctgtgg agaggtcatg ctggtccaca ggaacacttg gcagtgtctt cgtagacccc 180
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tcggtgatgt ggaatggaca ggtgcctcgc aagagagcaa gcacgttcat aacaaaacag 240  
caacacaaaag acatgtttaag catgtttatt ttttgcctg ttttgtttt tttacttgag 300  
ctgtggtcac agctgnccag gtacctaagc aagtcagttg ggtacagcag gacacgccac 360  
cattccaggg tagctggtac cgccagaaac aggagtgggt cttgtcctgt tgcaggcaca 420  
ctgcagtgggt tttcctgcag ctctccaaca aacgcctgag tcacaggcca gagctgcctt 480  
gggtatgttgt taagtccaaa acttcttctc tgggctacct atcttccttc atgaagcagg 540  
tgctcaggac ccggaagaat catctacctc ccagctttgt gagacagaac caagtaaaaag 600  
gaaacatgct agaaaacgtg cctagagaag acacttcaac ctttgcctta tccaacccct 660  
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cacagggaac aaagccctga cctctctctc cacattaccc ttacaaaaac aggccctccc 2040  
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gtgctctatg tgggcagaac atgctctcct tgccctcctt ggaaggtgtc ttctctatgg 2160  
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ccataaacia agacagactt gtagtttatt ttgtattttt tttaaataaa tacactttac 2280  
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<210> 372

<211> 1575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1548)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (1559)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1565)  
<223> n equals a,t,g, or c

<400> 372  
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tggagcggcc ccaggacagg gacacgcccg tgcagaataa gcggaggcgg aggtgacccc 180  
tcctgaggag cagcaggagg ctgaggaacc taaagcccgc gtcctccgct caaaatcact 240  
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accagaaacg atgggtggccc tattgacggg caagttcagc aacatcgtgg ataagtttgt 420  
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caccatacga gcacctccag cctgaacaga agctcttact ctttcctatt tcagtgttac 1440  
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ccaanaaggg gaagg 1575

<210> 373

<211> 1878  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1717)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1764)  
<223> n equals a,t,g, or c

<220>  
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<222> (1771)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1773)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1810)  
<223> n equals a,t,g, or c

<400> 373

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tacgcatagc tgctaaattc atcactcatg cccccccagg ggaatttaat gaagtattca 180
atgacgttcg gctactactt aataatgaca atctcctcag ggaaggggca gcacatgcat 240
ttgcccagta taacatggat cagttcacgc ctgtgaagat agaaggatat gaagatcagg 300
tcttaattac agagcacggt gacctgggta atagcagatt tttagatcca agaaacaaaa 360
tttcttttaa atttgaccac ttacggaaaag aagcaagtga cccccagcca gaagaagcag 420
atggaggtct gaagtcttgg agagaatcct gtgacagtgc ttaagagcc tatgtgaaag 480
accattattc caacggcttc tgtactgttt atgctaaaac tatcgatggg caacagacta 540
ttattgcatg tattgaaagc caccagtttc agcctaaaaa cttctggaat ggtcgttgga 600
gatcagagtg gaagttcacc atcacaccac ctacagccca ggtggttggc gtgcttaaga 660
ttcaggttca ctattatgaa gatggcaatg ttcagttggt tagtcataaa gatgtacagg 720
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<210> 374

<211> 846

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (703)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (747)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (786)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (797)

<223> n equals a,t,g, or c

<400> 374

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<210> 375

<211> 657

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (634)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<400> 375

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<210> 376

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (103)  
<223> n equals a,t,g, or c

<220>  
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<222> (647)  
<223> n equals a,t,g, or c

<220>  
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<222> (653)  
<223> n equals a,t,g, or c

<220>  
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<222> (662)  
<223> n equals a,t,g, or c

<220>  
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<222> (680)  
<223> n equals a,t,g, or c

<400> 376  
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cnccatggac agtaatgtan ggattttaaag gcagg 695

<210> 377  
<211> 3610  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 377

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aaggctagga ataggaacta aaatgttaaa tcatgtctta aacatctgtg aaaaagatgg 600  
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cgcagatgct catgtgctgc agaaaaacct caaagttcct tctggtcaga atgcagatgt 780  
gcaaaaagaca gacaactgaa caaattacaa atgaactttc ttgcacttgc ttgtcgccaa 840  
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<210> 378

<211> 223

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<400> 378

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ccaaaccaac ccaaccaaac atgttatttg gtctccttg gaa 223
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<210> 379

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<400> 379

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ttaacattct tctctcaatg agttttcctt taaaatttgc agtgaatttg ttttcctgtt 720  
tatgcatgag aatttaggtc ttattaattg ggggaaatta atgttaaagt aataaataag 780  
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<210> 380

<211> 2550

<212> DNA

<213> Homo sapiens

<400> 380

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<210> 381

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<400> 381

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<210> 382

<211> 854

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (794)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (835)

<223> n equals a,t,g, or c

<400> 382

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ccctatcccc atggtgcccc ttggtgggat ccagatgggt cactccatgc cgccagccct 180
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gttgatgaaa cagagcactt cggaagacag cctaaacgca acagagcggg aacaggagga 420
aaatatacag acttgtagaa aagccattgc ctctctccgg attgccacgg aagaggcagc 480
tctgctcggg ccagatcagc cagcgcgggg gcaggagccc caccagaacc ccctgggaag 540
tgcacatgtt agcattagac actttagtag acctgagcca ggtcagccct gtacctcagc 600
caccaccctt gacttgcatg atggtgaaaa ggacaatttt ggtacatcac agactccatt 660
agctcactcc acgtttttaca gcaagagttg tgtggrtgac aagcagttgg rcttttcaca 720
gcagcaaggg aattttcttt caagcacagr gggaaagcaa agatccttcc ttcaggaaaa 780
gagtycagct tacnttggtc ttttggtgg ctggggngat tttccttttc ccacnttttt 840
cccccttttt tttg 854
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<210> 383

<211> 1091

<212> DNA

<213> Homo sapiens

<400> 383

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cctctcattt tatcagatgt gatgactgaa gcccaccaca aatatgacca ctctgaggct 180
acaggatcct caagctggga tatccaaaat tctttcagaa gagagaagct ggaacaaaaa 240
tccccagatt cgaagacact acaggaagat tcacctggag tgagacaaaag ggtctatgag 300
tgccaggagt gtggaaaatc cttccggcaa aaaggtagtc taacgttaca tgagagaatc 360
cacactggtc aaaagccttt tgagtgcacc cactgtggaa aaagcttcag ggccaaaggc 420
aatcttggtt cacatcaacg gatacacacg ggagagaagc cttatcagtg caaggagtgt 480
gggaaaagct tcagtcaacg aggtagtctc gctgtccacg agagactcca cactggacag 540
aaaccctacg agtgtgctat ttgtcagaga agcttcagga atcagagtaa cttgtctgtt 600
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cacaggagag ttcacagtgg tgagaagccc tatagatgtg atcagtgtgg aaaagccttc 660  
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tgtacccagc gcaggaagag tttccacacc agggggaatt gtattctgca tggcaaaatc 780  
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gttctatgga atgaatggag aatctttcag aaagaccatc attgggtagg gcaaactgat 1020  
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aaaaaaaaa a 1091

<210> 384

<211> 1029

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1014)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1015)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1026)

<223> n equals a,t,g, or c

<400> 384

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ttggaaaaagg tgctgtgcct gaggaacaat accattttta agcaagcctt ttctctctta 180  
agggttagaa cttcaggaga gaagcccatc tattctgtag gtggaattct actaagtatc 240  
agtcggccct acaagacaaa gcccaccac ggcattggaa agtacaagca cttaattaaa 300  
gcagaagagc ccaagaagaa gaagggaaaa gtggaagtga gagccattaa tttggggaca 360  
gattatgaat atgggggtttt aaatattcat ctgactgcat atgatatgac cctggcagag 420  
agttatgccc agtatgttca caacctctgc aactctctct ccattaaagt cgaggaaagt 480  
tatgcaatgc caacaaaaac catagaagtg ttgcagttgc aggaccaagg cagcaaaatg 540  
ctcctggact cagtgtctac caccatgag cgagtgggtc agatcagcgg tttgagtgtc 600  
acgtttgcag aaattttctt ggaaataatc caaagcagtc ttcctgaagg agtcagactg 660  
tcagtgaagg agcacactga agaagacttc aaggagcagat tcaaagctcg accagaactg 720  
gaagaactgt tggccaagt gaagtagcta ctgtagacc tttcatgcca gcagtgttca 780  
tattgagtgc caaagagaag agcttactgg gtagttagag ttcatcagga gacccaacc 840  
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ctgtacttgc catttcttac cacttaccta tgaggtaatg cttgttatct tccatctaata 960  
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aaaaanaag 1029

<210> 385

<211> 583  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (551)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (574)  
<223> n equals a,t,g, or c

<400> 385  
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gcagaaagac aggaagccca agagggtcaac ctggagggtt aatttggacc ttactcatcc 120  
agtagaagat ggaatttttg attctggaaa ttttgagcaa tttctacggg agaagggttaa 180  
agtcaatggc aaaactggaa atctcgggaa tgttggtcac attgaacgct tcaagaataa 240  
aatcacagtt gtttctgaga aacagttctc taaaagggtat ttgaaatacc ttaccaagaa 300  
ataccttaag aagaacaatc ttcgtgattg gcttcgagtg gttgcatctg acaaggagac 360  
ctacgaactt cgttacttcc agattagtca agatgaagat gaatcagagt cggaggacta 420  
ggcaaaggct ccccttacag ggctttgctt attaataaaa taaatgaagt atacatgaga 480  
aataccaaga aattggcttt tagtttatca gtgaataaaa aatattatac tcttgaaaaa 540  
aaaaaaaaaa nggcggccgt tttaaagatc cttnaggggc caa 583

<210> 386  
<211> 2410  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2167)  
<223> n equals a,t,g, or c

<400> 386  
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cgcgggagaac tatcctatcc ctgaaccagg cccaaatgag gtcttgctga ggatgcattc 120  
tgttggaatc tgtggctcag atgtccacta ctgggagtat ggtcgaattg ggaattttat 180  
tgtgaaaaag cccatgggtgc tgggacatga agcttcggga acagtcgaaa aagtgggac 240  
atcggtaaaag cacctaaaac cagggtgatc tgttgccatc gagcctggtg ctccccgaga 300  
aaatgatgaa ttctgcaaga tgggccgata caatctgtca ccttccatct tcttctgtgc 360  
cacgcccccc gatgacggga acctctgccc gttctataag cacaatgcag cttttgttta 420  
caagcttcct gacaatgtca cctttgagga aggcgccctg atcgagccac tttctgtggg 480  
gatccatgcc tgcaggagag gcggagttac cctgggacac aaggtccttg tgtgtggagc 540  
tgggccaatc gggatgggtc ctttgctcgt ggccaaagca atgggagcag ctcaagtagt 600  
ggtgactgat ctgtctgcta cccgattgtc caaagccaag gagattgggg ctgatttagt 660  
cctccagatc tccaaggaga gccctcagga aatcgccagg aaagtagaag gtcagctggg 720  
gtgcaagccg gaagtcacca tcgagtgcac gggggcagag gcctccatcc aggcgggcat 780  
ctacgccact cgctctggtg ggaccctcgt gcttgtgggg ctgggctctg agatgaccac 840

cgtaccccta ctgcatgcag ccatccggga ggtggatata aagggcgtgt ttcgatactg 900  
caacacgttg ccagtggcga tttcgatgct tgcgtccaag tctgtgaatg taaaaccctt 960  
cgtcaccat aggtttcctc tggagaaagc tctggaggcc tttgaaacat taaaaaagg 1020  
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ccaggcaacc aggaaactgc tacttgtgga cctcaccaga gaccaggagg gtttggttag 1920  
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aactaggctc atactcaatt gatggttatt agacaattcc atttctttct ggttattata 2040  
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tgatttctat gaacttgtct tattttaatg gtgggttttt tttctggtaa gattggacct 2160  
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ggccgcgcgg 2410

&lt;210&gt; 387

&lt;211&gt; 689

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 387

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aaagctagtt tttgctatgt ggaacatgct gctctaattc agatttaaag agtttcttcc 120  
tgttaattcg aagctcactg tgcctcttgt ttccgaggga agaaggactg attaatcat 180  
ctaaatggat gcaatactga attacaggct agaagatact gaagattact acacattact 240  
gggatgtgat gaactatctt cggttgaaca aatcctggca gaatttaaag tcagagctct 300  
ggaatgtcac ccagacaagc atcctgaaaa ccccaaagct gtggagactt ttcagaaact 360  
gcagaaggca aaggagattc tgaccaatga agagagtcga gcccgctatg accactggcg 420  
aaggagccag atgtcgatgc cattccagca gtgggaagct ttgaatgact cagtgaagac 480  
ggtgggtttc tcgctgggtg cgacgtgaat ttgtgaagct caggatgcc atggattaga 540  
ctcatgtagt agcttaaaga gtcattagga gataggagg agaaaaccaa gaagtttagca 600  
gagtcgtgat ataattcagt gtccgtaaat cccatgaaga gaagctcatc agaataaagg 660  
caatgaattt gtgcyaaaaa aaaaaaaaaa 689

&lt;210&gt; 388

&lt;211&gt; 798

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<400> 388  
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gccaaaaagg ctgggggtac gcctcgtaag gcktcgggtc ccccggtgtc agagctcatc 180  
accaaggctg tggccgcctc taaagagcgt aggangtttc tctggctgct ctgaaaaaag 240  
cgttggctgc cgcggctat gatgtggaga aaaacaacag ccgtatcaaa cttggtctca 300  
agagcctggt gagcaagggc actctggtgc aaacgaaagg caccggtgct tctggctcct 360  
ttaaactcaa caagaaggca gcctccgggg aagccaagcc caagggttaa aaggcgggag 420  
gaaccaaacc taagaagcca gttggggcag ccaagaagcc caagaaggcg gctggcgagg 480  
caactccgaa gaagagcgct aagaaaacac cgaagaaagc gaagaaggcg ccgcgccac 540  
tgtaaccaag aaagtggcta agagcccaa gaaggccaag gttgcgaagc ccaagaaagc 600  
tgccaaaagt gctgctaagg ctgtgaagcc caaggccgct aagcccaagg ttgtcaagcc 660  
taagaagcgg cgcceaagaa gaaatagcga acgcctactt ctaaaacca aaargctctt 720  
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aaaaaaaaaa aaaaaaaaaa 798

<210> 389  
<211> 1691  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1575)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1630)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1636)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1651)  
<223> n equals a,t,g, or c



<220>

<221> misc feature

<222> (1664)

<223> n equals a,t,g, or c

<400> 389

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cttgtgggcg ggtaattttg cttttgtttt tgttcacatt cttccccctc cacaagccaa 180
agtcgtttca tttggtttcc actgtgtgga ctgtgctgga gcttggcgcc tgccagaaaa 240
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gttcctgcac aacctcagag gggcaaaaac cctccccagg aaggaggagg gtgttcagga 360
gccagacttt tggagagaag gcagctccca gcctgctggg tgaccgccat tctgcgtgtg 420
ttccccagct gggcanggct ggaagcctta cgtatgaagc atggagaagc agccattgtc 480
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ccagccaccc cctctggctg ctggcaatgc cacagggtgcc caaqaagatg gaggatccct 600
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acatccccan tgggantgga acacaatgct nccccaaaac ctgnctttcc tggccttccc 1680
caacaactgg g 1691
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<210> 390

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<400> 390  
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aggccaggtc tctgcctcgg aagtgagtgc ttctgccatc gtcccctgcc tgtcccctcc 120  
tgggtcactg gtgtttgagg attttgctaa cctgacgccc tttgtcaagg aagagctgag 180  
gtttgccatc cagaacaagc acctctgcca ccggatgtcc tctgcgctgg aatcagtcac 240  
tgtcagcgac agacccctcg ggggtgtccat cacaaaagcc gaggtagccc ctgaagaaga 300  
tgaaaggaaa aagaggcgac gagaaagaaa taagattgca gctgcaaagt gccgaaacaa 360  
gaagaaggag aagacggatg cctgcagaaa gtgagtgcct tctaacctta cccttctctc 420  
gctangcctg tctttaccaa cttnatgtgg ntat 454

<210> 391  
<211> 807  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (586)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (735)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (805)  
<223> n equals a,t,g, or c

<400> 391  
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ttcccggggtc gacccacgcg tccggggcga aaaccgaagt tggaagtgtc tcttagcagc 120  
gcgcgggagaa gaacggggag ccagcatcat ggcagaacag gatgtggaaa acgatctttt 180  
ggattacgat gaagaggaag agccccaggc tcctcaagag agcacaccag ctccccctaa 240  
gaaagacatc aagggatcct acgtttccat ccacagctct ggcttccggg actttctgct 300  
gaagccggag ctctgcggg ccatcgtgga ctgtggcttt gagcatcctt ctgagggtcca 360  
gcatgagtgc attccccagg ccatcctggg catggacgtc ctgtgccagg ccaagtccgg 420  
gatgggcaag acagcgggtc tcgtgctggc caccctacag cagattgagc ctgtcaacgg 480  
acaggtgacg gtcctggtca tgtgccacac gagggagctg gccttcnaga tcagcaagga 540

atatgagcgc ttttccaagt acatgcccag cgtcaagggtg rgtcyntcgg ccagactgga 600  
ccaggcgcca cttggkttct gmagctttgk tagcctcggc tctggcccar ccagcattta 660  
ccaagcttgg caagggcagc tgcccttgaa ggtttgagcgt ggtttttgct ccttaaaagc 720  
ctgattgaat tatgncatgg ctcccagggg cctgcgccag ttcccagcct ggggctgcct 780  
ttgaaatggg aaccccgga aggcncct 807

<210> 392

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (916)

<223> n equals a,t,g, or c

<400> 392

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cactcaagag caagctcagg cgaggaaacg agacctcttt cgttccttct agaaggctctg 120  
gaggacgtag agttattgaa aatgcagatg gttctgagga ggaaacggac actcgagacg 180  
cagacttcaa tggaaccaag gccagtgaat aagcaacttt ctacagtttt gcaccacggc 240  
aagaaaacca aaaaccaaaa caaacaacaa aaaaaaaccc aacaacaacc cagaacaaag 300  
caaaacccag cagactgtac ttagcattgt ctaaattccat tctcaaattc caaatatcac 360  
agacacccct cmcacaggaa acttcgcagt gatgcaccag gcgaggaaac gagacctctt 420  
tcgttccttc tagaaggctt ggaggacgta gaagttattg aaaatgcaga tgggttctgag 480  
gaggaaacgg aactcagaga cgcagacttc aatggaacca aggccagtga ataagcaact 540  
ttctacagtt ttgcaccacg gcaagaaaac caaaaaccaa aacaaacaaa caaaaaaac 600  
ccaacaacaa ccagaacaa agcaaaaaccc agcagactgt acttagcatt gtctaaatcc 660  
attctcaaat tccaaatcac acagacaccc ctacacacaa gaataataaaa accaccaccc 720  
tccagcctgg gcaacgtagt aaaaacctca tctatacaag atttttaaaa taagctgggc 780  
gtgggtgtac acacctgtgg tcccagctac tagggaggct gagccaggaa gaacgstyca 840  
gcccaggayt tcgrggctgc aatgagctat aattgcatca ttgcactcca gcctgggcaa 900  
cagagaccct gttttnaacc accacca 927

<210> 393

<211> 1023

<212> DNA

<213> Homo sapiens

<400> 393

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ttgcgtgcgg tttaaccgtg tttaacctct ttgcgtctcg cttctgaatc gtatccactt 180  
gagcatcact agactgatct attttaacac tgggtgggggg cagcgaggac atggttttaa 240  
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ttttgacttg gggatagaac ttgagcaatt tctgtcttg cctcgccact gacgtcccctt 360  
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gaaagaaggt tctggctcca cgggtgaatc tgacttttcg taaaattttg cttactaaaa 960  
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aaa 1023

<210> 394

<211> 822

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<400> 394

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ccagtcacat gccccactct gtcttgagga caggcaggag gtggggggaag agctgaatct 420  
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aatggaagag gctttgcaaa aggctagata actaacaaca cctgggttgg ggcggcggcc 540  
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taaaaataat tacattatgc ttctattcta tcatctaaaa cmaatcatta aaactaattt 720  
ctagctaaat kgtttaattat aattatgctc agaacttatt aatgagctct gctggcttac 780  
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<210> 395

<211> 1702

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1694)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1696)

<223> n equals a,t,g, or c

<400> 395

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agtggagaaa ctgcaaaaaca agattgtaaa ttgtctcaaa gaccacgtga ctttcaacaa 120
tgggggggtg aaccgccccca attatttgts caaactgttg gggaagctcc cagaacttcg 180
taccctttgc acacaggggc tacagcgcat tttctacctg aaattggaag acttggtgcc 240
accgccagca ataattgaca aacttttctt ggacacttta cctttctaag acctcctccc 300
aagcacttca aaggaactgg aatgataatg gaaactgtca agagggggca agtcacatgg 360
gcagagatag ccgtgtgagc agtctcagct caagctgccc ccattttctg taacctcctc 420
agcccccttg atccctaaag aaaacaamca aacaaacaaa aactgttgct atttcctaac 480
ctgcaggcag aacctgaaag ggcatttttg ctccggggca tcttggtatt agaacatgga 540
ctacacacaa tacagtggta taaacttttt attctcagtt taaaaatcag ttgtgtgttc 600
agaagaaaaga ttgctataak gtataatggg aaatgttttg ccattgcttg ttgttgcagt 660
tcagacaaat gtaacacaca cacacatata cacacacaca cacacacaga gacacatctt 720
aaggggaccc acaagtattg ccctttaaca agacttcaaa gttttctgct gtaaagaaaag 780
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tgtatgacag ttagagatgc tgattttttt tctgataaat tctttctttg agaaagacaa 1560
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaaaag gggngnccgt tt 1702
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<210> 396

<211> 858

<212> DNA

<213> Homo sapiens

<400> 396

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agttgtataa ctgaaaaagg acttttctac caggatgac cttttaagtg aaaatctgaa 180
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gccaaaggag gggagcagcc tagttggtct tggagagatg gggaaggctt tcagctgatt 420  
tgcagaagtt gcccattgtg gccccagcca tcagggtctg ccgtggacgt gcccctgccc 480  
actcacctgc ccgctgccc gcccggccgc atagcacttg cagacctgcc tgaacgcaca 540  
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cgctcgccct ctagatgtcc aagtgccacg tgaactatgc aatttaaagg gttgaccac 660  
actagacgaa actggactcg tacgactctt ttatatattt ttatacttga aatgaaatcc 720  
tttgcttctt ttttaagcga atgattgctt ttaatgttg cactgattta gttgcatgat 780  
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<210> 397

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (996)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<400> 397

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agcaatggct gcagcgcgcc tggcaagagc ggcgctgct gctgcgggag ccgcgctaca 120  
cgctgctggt ggccgcctgc ctctgcctgg cggagggtgg catcaccttc tgggtcattc 180  
acagggtggc atacacagag attgactgga aggcctacat ggccnaggta gaaggcgtca 240  
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ctggtttcgt gtacatcttt atgggggtgt actatgccac cagccgaggc actgacatcc 360  
gcatggccca gaacatcttt gctgtgctct acctggctac cttgctgctt gtcttcttga 420  
tctatcacca gacctgcaag taacctccct tcgtcttttt cttcatgtgc tgcgcctctt 480  
accgtgtcca ctccatcttt gtgctgcggc tcttcaatga ccagtgggc atgggtgctgc 540  
tcttctcag tatcaacctc ctgctggccc agcgtgggg ctgggggtgc tgtttttca 600  
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ccttttcaac tccaatttca ttgggsatct ggtttcagsc gkttccttcc attaacagtt 1080  
tttaagggtt gggtattttt caaaanattg 1110

<210> 398

<211> 864

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<400> 398

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ggggtctcgc ggcgcgggag cgcacccgga gctgtggacg gagagtgcct ccctctggcc 120  
tcagtttccct catgtttag tagcggacat ggcccggacc ggccscgag accgccccgt 180  
gcaacctcac cgccagcctg ggggcctcag cgactgggac gggaccaagg ggctcgggga 240  
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argccgggat gtctgtcctg ttggaaatgg tggacaccgt ccggatcccc ccttggcagt 360  
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tcgtgtacaa cgtgggactc tgcatttgtc tgtttgatat caccaaactg gaggatgcct 480  
atgtattccc tggggatggc gcatcacaca ccaaagtcca tttctgctgc gtggtgtttc 540  
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ccaagttcga cgaagcggag caggtgtggg tgtgggagta cgagacggag gaaggagcac 720  
acgacctcta catggacacc ggcgaggaga tccgcttccg ggtggtggac gagagctttg 780  
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<210> 399

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

&lt;400&gt; 399

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attcatgtat ctttttctac actgatgact atactcaaag catcttactt taattatata 180  
aatgtatata ctgtctttct caactggggg ttcaagagag aattaagccc aaaataaaat 240  
aatttggtgtg ngcttatttt ctnccattttt c 271

&lt;210&gt; 400

&lt;211&gt; 925

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (635)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (844)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (900)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 400

ctcgtgccga attcggcacg agcasgagcg cgtgctcagt gtgctgggta cagncgactc 60  
cgggacaggg ggtctcggcc gtcggcgctca tggtttcgcg cgtgcagctc ccgcctgaga 120  
tccagctggc tcagcgccctg gcggggaatg agcagggtgac ccgggaccgg gcggtgagga 180  
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aggctgcgct ggataaattc tacatgctca tgcggatggt cctgaacgag tccttgaagg 480  
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gaagttcatc gaccccttct gcagaatcgc tgcccggacc aaggattcct tggttttgaa 720



caacatcact cgaggcatct ttgagacgat tgtggagcag gccccgcttg ccattgaaga 780  
cctcctgaat gaactggaca cacaggatga ggaggtggcg tcggacagtg atgagtcctc 840  
tganggcggt gaacgttgag acgcgtgtc ccagaagagg tctgagaagc cgccccgagn 900  
ttccatctgc agggctgaac ctgag 925

<210> 401

<211> 1085

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (774)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1080)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1085)

<223> n equals a,t,g, or c

<400> 401

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gtcttccttg aagggtgcga taaggccggg cgaggtgcct gggatgcttc tccccctccg 120  
cgaggaagag atctaattgg gtagggcggg ttagactag cctgccgagc cgccccgttg 180  
cacctgcagc ctctggggcg ccgcgcgggc ccgcgcgaga aagttgttaa agggagcgag 240  
gtggttggtc ctgggggtccg aggcgcgcct ctacgcctt gcccaacaga agccgcagtc 300  
ccgtgggggtc tggagacgca gtttcctgtt aatgacaata aatccctgct cccccctgcct 360  
cagacatcta cgcagcgaaa tcgagcctgg ccttgagggt ccacaccgcg agggaagatg 420  
cgtgcgcccc ttccagagcc taagcctgga gacctgattg aratttttctg ccttttctac 480  
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gtcgcaggag ctggtgcagc cagtgtcatg tccgccctga ctgacaaggc catcgtgaag 600  
aaggaattgc tgtatgatgt ggccgggagt gacaagtacc aggtcaacaa caaacatgat 660  
gacaagtact cgccgctgcc ctgcagcaaa atcatccagc gggcggagga gctggtgggg 720  
caggaggtgc tctacaagct gaccagttag aactgcgagc actttgtgaa tgantgcgc 780  
tatggagtcg ccgcagtgga ccaggtcaga gatgtcatca tcgctgcaag cgttgcagga 840  
atgggcttg cagccatgag ccttattgga gtcattgtt caagaaacaa gcgacaaaaag 900  
caataactga aaaagactgt cctgtcagcg atgactttat acatcaaggg ggtcttgttt 960  
tgctagagag tttgggggtt gggttgtgga tttcattgtg atttataata aggcttattt 1020  
tcacagaata aaataaagca aaacgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080  
ggggn 1085

<210> 402

<211> 348

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<400> 402  
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aaggnaaaac ccttwaaggg ttggggaaa ttcccccccc cccggggggg gccctttgcc 120  
caaaggggaa aaattttccg ggggccaanc cggaaaggcc ccaaaaaagg ttcccccccg 180  
ggaaggaatc cccggttgga attgttaaaa ccaaaagggg aattttgaag gccggaaatt 240  
cgggttgccc cccaacttcc cccaacattc ccggggggac ttgggggctg gaacgatgcc 300  
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<210> 403  
<211> 1470  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<400> 403  
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cgagtcgtgc gaggtgccc ttctcactca gcattatgga tccaagcctg ttgagagaaa 180  
gggagctgtt caaaaaacga cctctttcta ctctgtagt agaaaaacgt tcagcatctt 240  
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caggctctaa acaaaaattct gatcatagca atggatcatt taacttgaaa gctttgtcag 360  
gaagctctgg atataagttt ggtgttcttg ctaagattgt gaattacatg aagacacggc 420  
atcagcgagg agatacgcat cctctaacct tagatgaaat ttggatgaa acacaacatt 480  
tagatattgg actcaagcag aaacaatggc taatgactga ggctttagtc aacaatccca 540  
aaattgaagt aatagatggg aagtatgctt tcaagcccaa gtacaacgtg agagataaga 600  
aggccctact taggtcttta gatcagcatg accagcgagg attaggagga attcttttag 660  
aagacataga agaagcactg cccaattccc agaaagctgt caaggctttg ggggaccaga 720

tactatattgt aaatcgtccc gataagaaga aaatactttt cttcaatgat aagagctgtc 780  
agttttctgt ggatgaagaa ttccagaaac tgtggaggag tgccactgta gattccatgg 840  
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gaccaaagaa agtggccctt attcagagaa ggaaaaagcc tgcttcacag aaaaagcgac 960  
gctttaagac tcataacgaa cacttggtctg gagtgtctgaa ggattactct gacattactt 1020  
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tttgtttatt ccaaaaagaa atattttataa taaaatcact gtagaaggat taaaaaaaaa 1440  
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<210> 404

<211> 2487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<400> 404

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ttcccgagct ccggcgtngt cccggccacg ctgcagcgtg ctgcaggaac aaaggaagac 120  
cccgcggcgg cgcggcgcca cctccgcttg ctgctccgac ccgctcccg cccgcggcgg 180  
cggcaccagg gcgcccggct cagccttccc ggaggcctcg gcccggcctc atcgtgccgg 240  
cttcgcgcgc gaacccggct ttgcattttg ggacctgca ggcagaaaaa tatggctcag 300  
gagactaacc agaccccggt gccatgctg tgtagcacag gatgtggctt ttatggaaat 360  
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agtggcagaa tgagcccaat ggggacagct agtggttcca acagtcctac ctcagattct 480  
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tgtgaaaaat caagaaatgt gcctgtggct gccttgcttg taactcagca aatgacagaa 600  
atgagcattt caagagagga caaaataact accccgaaaa cagaggtgtc agagccagtt 660  
gtcactcagc ccagtccatc agtttctcag ccagttactt ctcagagtga agaaaaagct 720  
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<210> 405

<211> 1256

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1180)

<223> n equals a,t,g, or c

<400> 405

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agtttttgtt ccgctccgca gcgctcttcc cgggcaggag ccgtgaggct cggaggcggc 180  
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ggaggggggt tcgcagatcc ccgagatgcc ggagtctctg gaagaccctt cggctcctgac 300  
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gctccccgcc ggcaccaaca gcaagggggc cccggacttc tccagtgcg aagagcgcga 480  
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<210> 406

<211> 771  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<400> 406  
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ccagggacac ccaattcatc gtaatcatca tgaataatca aaaagtggta gctgtgctac 180  
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taataagcaa caatggagca acgggtacct ggctgtacag aaatgaaagt gacaaggtcc 720  
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<210> 407  
<211> 2643  
<212> DNA  
<213> Homo sapiens

<400> 407  
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tcatttcagg tgcagatgac cgtcttggtta aaatatggga ttatcagaat aaaacatgtg 180  
tgcagacact ggaaggacat gcccaaaatg tgtcttggtc cagctttcat cctgagttgc 240  
caatcattat cacaggttca gaagatggaa cagtacgtat ttggcattca agcacctacc 300  
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ctaattggcg gtttgtggtg gtgtgtggtg atggggagta tatcatctac acagcaatgg 660  
cattgagaaa caagagcttt ggatctgctc aggagtttgc atggggccac gattcttcag 720  
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tgt

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2643

&lt;210&gt; 408

&lt;211&gt; 1646

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 408

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cctcatcaag gaggcaggct ttccccctgg ggtggtgaac atcatcacgg ggtatggccc 120
aacagcagggt gcggccatcg cccagcacat ggatgttgac aaagtgtgct tcaccgggtc 180
caccgagggtg ggccacctga tccagaaagc agctggcgat tccaacctca agagagtcac 240
cctggagctg ggtggtaaga sccccagcat cgtgctggcc gatgctgaca tggagcatgc 300
cgtggagcag tgccacgaag ccctgttctt caacatgggc cagtgtgct gtgctggctc 360
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aaagcagagg aaagtgggga acccctttga gctggacacc cagcaggggc ctcagggtga 480
caaggagcag tttgaacgag tcctaggcta catccagctt ggccagaagg agggcgcaaa 540
actcctctgt ggcggagagc gtttcgggga gcgtggtttc ttcattcaag ctactgtctt 600

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aaaaaaaaaa aaaaaaaaaa aaaaaa 1646
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<210> 409

<211> 876

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 409

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cacactgact cgagtgaat ttggtgccgt gactaggatc gggggacctc ccttgggaga 120
tcaatcccc gtcctcctac actttnctct gtgagaaaga tccacctaca acctcagggtc 180
ctcagaccra ccagcccaag aaacatctca ccaatttcaa atctggcacc cactggaaaat 240
cagactgccc agctcgcccg acagccactc ctggagcccc taaagctcta gcccaagggt 300
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taagtccatc ccctgtttaa tcgatacggg ggctaccac tccacgttgc cttcttttca 480
agggcctggt tcccttgccc ccataactgt tgtgggtatt gacggccaag cttcaaaaacc 540
cctgaaaact cccccactct ggtgccaaact tggacaacac tcttttatgc actctttttt 600
agttatcccc acctgcccac ttcccttatt aggcgaaat attttaacca aattatctgc 660
ttccctgact attcctggag tacagctaca tctcattgct gcccttcttc ccaatccaaa 720
gcctcctttg tgtcctctaa catccccaca atatcaccac ttaccacaag acctcccttc 780
agcttaatct ctcccactct aggttcccac gccgccccta atcccacttg aagcagccct 840
gagaaacatc gtccattctc tctccatacc accccc 876
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<210> 410

<211> 1850

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1817)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1848)  
<223> n equals a,t,g, or c

<400> 410  
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cgctatggat gatcgagagg atctggtgta ccaggcgaas ctggccgagc aggctgagcg 180  
atacgacgaa atggtggagt caatgaagaa agtagcaggg atggatgtgg agctgacagt 240  
tgaagaaaga aacctcctat ctgttgcata taagaatgtg attggagcta gaagagcctc 300  
ctggagaata atcagcagca ttgaacagaa agaagaaaac aaggaggag aagacaagct 360  
aaaaatgatt cggaatatc ggcaaatggt tgagactgag cttaaagttaa tctgttgta 420  
cattctggat gtactggaca aacacctcat tccagcagct aacactggcg agtccaaggt 480  
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<210> 411  
<211> 661  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (518)



<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<400> 411

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agcaaaatct tgtaaagtca ttgcacaaaa cattgttaag aagtgccttg agctcttctc 180
tgagctggca gaagacaagg agaattacaa gaaattctat gaggcattct ctaaaaatct 240
caagcttgga atccacgaag actccactaa ccgccgccgc ctgtctgagc tgctgcgcta 300
tcataacctc cagtctggag atgagatgac atctctgtca gagtatgttt ctgcgatgaa 360
ggagacacag aagtccatct attacatcac tggtgagagc aaagagcagg tggccaactc 420
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tgacrartwc tgtgtgcagc arctcmagga atttgawngg aararmctgg tcycagttac 540
caaggagggtc tggarctgcc tgaggtnnag gagagaagaa gaagatggaa gagagcaagg 600
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<210> 412

<211> 1263

<212> DNA

<213> Homo sapiens

<400> 412

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tctcagttca taggctatcc catcaccctt tatttgagga aggaacgaga gaaggaaatt 180
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aagagcctca ctaatgactg ggaagaccac ttggcagtc agcacttttc tgtagaagggt 480
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ctcatggggg atatgatggc caaaaagcac tggagatcaa ccctgaccac cccatttttg 1260  
gag 1263

&lt;210&gt; 413

&lt;211&gt; 1337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 413

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agaggatgat gctgactttg atgaagtcca atatcagatg gaaatgatgc ggascttcgc 360  
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gttctcattt atgatcccat aaaaactgcc caaggatctc tctcactaaa ggcatacaga 540  
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cccattcccc ccttttg 1337

&lt;210&gt; 414

&lt;211&gt; 792

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

<222> (744)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (783)

<223> n equals a,t,g, or c

<400> 414

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aagctactaa ccagagccgg ctctttctcg agattttatt ccctcaaagt tgcccccaa 180
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aagttaccaa atggcttggt gattgcttct ttggaaaact attctcctgt atcaagaatt 300
ggtttggtca ttaaagcagg cagtagatat gaggacttca gcaatttagg aaccacccat 360
ttgctgcgtc ttacatccag tctgacgaca aaaggagctt catctttcaa gataaccctg 420
ggaattgaag cagtgggtgg caaattaagt gtgaccgcaa caagggaaaa catggcttat 480
actgtggaat gcctgcgggg tgatgttgat attctaattg agttcctgct caatgtcacc 540
acagcaccag aatttcgtcg ttgggaagta gctgaccttc agcctcagct aaagattgac 600
aaagctgtgg cctttcagaa tccgcagact catgtcattg aaaatttgca tgcagcagct 660
taccggaatg ccttggttaa tcccttgkat tgtcctgact ataggattgg aaaagtgaca 720
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agnatcaata ga 792
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<210> 415

<211> 1342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1036)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1038)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1099)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1338)

<223> n equals a,t,g, or c

<400> 415

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tcgcttcccg gcgcggtcgc agccctcagc ccacttagga taatggcgac agctgaggta 180
ctgaacattg gtaaaaaatt atatgagggt aaaacaaaag aagtctacga attgttagac 240
agtccaggaa aagtcctcct gcagtccaag gaccagatta cagcaggaaa tgcagctaga 300
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ttattacagg aagcaggtat taaaactgcc ttcaccagaa aatgtgggga gacagctttc 420
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tctttttctc aaagaaatcc tgggtgtcaag gaaggatata agttttaccc acctaaagtg 540
gagttgtttt tcaaggatga tgccaataat gaccacagt ggtctgagga acagctgatt 600
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<210> 416

<211> 1113

<212> DNA

<213> Homo sapiens

<400> 416

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cgccgtraga actttgcagg aacagctgga aaaggccaaa gagagtctta agaacgtgga 120
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tgagaacatt cgcaagctca cccggcgggga tccgaatgac gtgaggccca tccaagccag 180
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cacacgtaga gaccttatcc aggatcaaaa tatggatgaa aagggaaaagc aaaggaaccg 480
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tgaacataat gccaaaataa ttaaataatat aagaactaag acaaagcccc atttgtttta 780
tattcctgga agaattgtgtc cagctaccca aaaactaata gaagagtcac agagaaaaaat 840
gaacgcttta tttgaaggta gacgcacgca atttgcagaa caaataaata aaatggaggc 900
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gaaggcgga caagaagagg gtaagggtggc tcagcgagag gaagagttgg aggagacagg 1020
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aaagaaaaga aaagaaaagga aagaaaagaa aac 1113
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<210> 417

<211> 1174

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 417

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gtagtaagca ttaataatgt ctttcatctt tgagtggatc tacaatggct tcagcagtggt 180
gctccagttc ctaggactgt acaagaaatc tggaaaactt gtattcttag gtttgataaa 240
tgcaggcaaa accactcttc ttcacatgct caaagatgac agattgggac aacatgttcc 300
aacactacat ccgacatcag aagagctaac aattgctgga atgaccttta caacttttga 360
tcttggtggg cagcagcaag cacgtcgcgt ttggaaaaat tatctcccag caattaatgg 420
gattgtcttt ctggtggact gtgcagatca ttctcgccctc gtggaatcca aagttgagct 480
taatgcttta atgactgatg aaacaatatc caatgtgcca atccttatct tgggtaacaa 540
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graaaacacg tctcaccact gtggttgatt caaaagaaag tgattctatt ttttaaagaa 1080  
agcgttggtta atgtaattgg tatccctcct aactttttga gttcasaatt tacttggtca 1140  
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<210> 418

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (661)

<223> n equals a,t,g, or c

<400> 418

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ctcagccccg cggacgcatg tccccttgcc gagttgaggg cagctggcct agagcctgtg 180  
ggacactatg aagaggtggt ccaggtgcga aangtgcaag gcaccaactt gggcaaaata 240  
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tatgccttcc agactgggtg caaamtctac ctcatccttg agtgctcag tgggtggcgag 420  
ctcttcacgc atctgggagc gagagggcat ctctctggga agatacggcc tgcttctacc 480  
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ctcaagcccg aggaacatca tggttcagca gccaggggccc acatcnaaac tgaccgactt 600  
ttggactttt ggcaaggngt tttattccat gggggggcgcc cttcaattga caactttttg 660  
ngggcaacca ttg 673

<210> 419

<211> 2178

<212> DNA

<213> Homo sapiens

<400> 419

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aagggagaga gtgggagttt cccagcccg cagaactttcg aagttgagaa ragaaccctt 180
ggaacgtgcg ctcagcactg ggattttctg gactcaacga tgactctgaa taatgtcacc 240
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caaaccacct tttatgtttt attatttttg aattcatgga gccatcataa aaatattttt 1860
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tgtcacagct ctgctctatt tattattatt ttgcaaaata accattttta catttgataa 2040
agcatattta tgaacatatt tcttaataag aaaaatatcc attttattac cattttctat 2100
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gaaaaaaaaa aaaaaaaaaa
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2178

<210> 420

<211> 1884

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 420

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tccccatggg ggggtgttct tccagactcc gccaaactgtg aattgccttt gttaacccccg 120
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caatacatta ggttttggca cagagcaggc gccctatgga atgcagacac agaattaccc 540
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catgtcattt agaagttagt ttgkatatat tattataatc ttataattgt tctmagaatc 1800
ccttaacagt tgtatttaac agaaattgta tattgtaatt taaaataatt atataactgt 1860
atttgaaata agaaaaaaaa aaaa 1884
```

&lt;210&gt; 421

&lt;211&gt; 622

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 421

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ccatgcctgc ttgtgccta ggcccgtag ccgcgcct cctcctcagc ctgctgctgt 120
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gccccaggt gaacattaac tttccccagc tcggcctctg tcgggaccag tgccaggtgg 360
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acagccagtg tcctggccag atgaaatgct gccgcaatgg ctgtgggaag gtgtcctgtg 420
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tgccctggccc tgcattctggt tccagccac ctgccctccc ctttttcggg actctgtatt 540
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aaaaaaaaaa aaacttgagg gg 622
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<210> 422

<211> 1285

<212> DNA

<213> Homo sapiens

<400> 422

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<210> 423

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<400> 423  
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cctagacccc gactcccttt ggctcagccc gcgcgcccc a ggcccggccc gggcggcgag 180  
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<210> 424  
<211> 3118  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (485)  
<223> n equals a,t,g, or c

<400> 424  
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acggccctag ctttgggaag ccagaggaca cccctggctc ctgccgacac cgccctcctt 180  
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ggccgagaga gctcgggtgc cgcccttccg ctgcctttt tcgtcagctg gctggagcag 360  
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acgggaggag acttcgggaa tccgctgagg aaattcaagc tgggtgttcc gggggagcaa 480  
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caggcaacaa ttggcattga ctttttatca aaaactatgt acttggagga tcgaacagta 600  
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atgcttacag ataatcatta gcccacatac cagtaactta aagatgggat ggagttgtaa 2940  
agtgttttta taatacaata taattgttaa aggcaagggt tgactctttg ttttattttg 3000  
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgctcgcg atcttagc 3118

<210> 425

<211> 1410

<212> DNA

<213> Homo sapiens

<400> 425

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ctaaatttta cctcatttat taatctgggc attaaggaaat atatttaata atattatgta 180  
attattcttt ttatgcatga tacacctaga aaaatgcctt ttgtttctat tgatggcttt 240  
gttggttgga gctacttttg attacttatt gcagtttccc aatttagtct ttactttatc 300  
taactcacia agtaaaatta actgatcaca tggcaactac tgtatttaa tagttctgga 360  
aaaatgaaag tgctttttgc tgcttggtaa atgggtaatg cccttgattc cttgactgta 420

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ggacatagct gatctaaagt actctgtcag ttttaccttc acccatgact gtcattagtt 480
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ataatcatcc tcaaagcctg tttttattac atgatgtgga ctgattatct tttctatcac 600
agtgttaaca gatggatttt attgtaaata caaagaaaac atattgatta ttgtagtatt 660
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ttcttattgc ccagagactg actgatacat cttttgttat ttttacacat aaattaaaca 780
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caagaagaca agcatctgtg gtgcggaggc aagcaggcta actaggagtt gacaagctaa 1260
gaaagtgaag ctgttctttc ttagttaact gtcttctctt ggagctctgt tattttgagt 1320
ataatatttc cacgacactt agtaaatgca agctaaaatg taataataat aaattgtatt 1380
ggagaaacct aaaaaaaaaa ttttttaaaa 1410

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<210> 426

<211> 1422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<400> 426

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agaagcatga gcctttctga ctgtctacat gttcttggcc agttttaact tctagtcatg 120
gcgaatgac gcaggagagc acagactgga ccctgctacg atctctcttg gagtggatca 180
gactgatgat caccaacaac caactcattc ccggataagg aagaagagag tgtcacctac 240
ttcagtggtg tttcaacctt acttctgcat cttaaagaca ctgtatggtt tcagcagtag 300
tgccctgtt cattagtccc cctgatgntt tcattcctca tctcatcttt ttcttagcag 360
cattcaatga atccttcatt ctgaaacac tctatatctt tggttttcat grgaccattc 420
tcaccttgtt ttgtcctgtg acttttttga aaaaaacaaa aacaaaaaac ccttttttnc 480
tttttaaatt ctggtaaaaa acacaatgaa aatttgctat cttaaccatg ttgaaatgtg 540
cagttagtaa agtacattca cattgtggtg caagccatca ctaccatcca tcactagaac 600
ccttttcac ttgcagatct gaaactctac ccattaaacr acttcccatc ttcccatccc 660
cacagctcct agcaaccaac attctacttt ctctatcagt ttgactactc taggtacctc 720
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gtccycaagg ttcattcatg ttgtagcatg catcagaact tcctccctt ttaaaggctg 840
gataatattt catggtatgt ttagatcaca ttctgtttat ccattcatcc atcagtgaac 900
acttgtgctc cttccaactt tgggctgttg ggtgtcctgc cactgttgct cctagtgtc 960
aatctcgtt attcctcct aatcaagtgt acaacgttgg acactgtgca ggatgatgcc 1020

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cctcaagatt tctactttac ttactgttgc ttgtgtaagc caagacaacc ttgatgttat 1140  
cataaacatg tacttaccta agtcctgtcc tttggcaaat tatgggctat gagacacagc 1200  
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tatgctcttt ctatatggta tgtaagctct cgggtctgggg agtaacagtg cagagatcta 1320  
cctgtcttgt tgccacatgt ttctaaactt tccaataaat caccttctac tgacaaaaaa 1380  
aaaaaaaaaa aaactcgagg tcgacggtat cgataagctt ga 1422

<210> 427

<211> 830

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (686)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (809)

<223> n equals a,t,g, or c

<400> 427

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aagagatacc aagtgaatt tagaagacga cgagagggtta aaactgatta ttatgctcgg 180  
aaacgcttgg tgatacaaga taaaaataaa tacaacacac ccaaatacag gatgatagtt 240  
cgtgtgacaa acagagatat catttgtcag attgcttatg cccgtataga gggggatatg 300  
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aattatgctg cagcatattg tactggcctg ctgctggccc gcaggcttct caataggttt 420  
ggcatggaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 480  
agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcaggcct tgccagaact 540  
accactggca ataaagtgtt tgggtgccctg aarggagctg tggatggagg cttgkctatc 600  
cctyacagta ccaaacgatt ccctggktat gawtctgaaa gcaaggaatt taatgcagaa 660  
gtacatcgga agcacatyat gggccnagaa tgggtgcaga ttacatgcgc tacttaatgg 720  
gaagaagatg aagatgctta ccaggaacag gttctyttca atwccttaaa gnacagcgta 780  
acttccagac catgatggga ggagatgtnt taagaaaagc ttaatgctgg 830

<210> 428

<211> 1622

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 428

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caaaaataaa actgtngcaa tagtattcta ttaaagcttc tttaactgct taaacttgcg 120
gttttgacat ggtacctatc ctttcttccc ttttcaaaag attcgctata gagtctttct 180
ctacatgcca gtctccaaaa tggcgcgagc ggcacacaga ggtcagaggt ggtcacgtg 240
ggtccccccg gttccggcgc ggttgaggcc ttcggtggtg aacgagtctc cagcaccatg 300
tctggtttgt ctggcccacc agcccggcgc ggcccttttc cgttagcgtt gctgcttttg 360
ttcctgctcg gcccagatt ggtccttgcc atctccttcc atctgcccac taactctcgc 420
aagtgcctcc gtgaggagat tcacaaggac ctgctagtga ctggcgcgta cgagatctcc 480
gaccagtctg gggcgctgg cggcctgcgc agcacctcaa gatcacagat tctgctggcc 540
atattctcta ctccaaagag gatgcaacca aggggaaatt tgcctttacc actgaagatt 600
atgacatgtt tgaagtgtgt tttgagagca aggggaacagg gcggatacct gaccaactcg 660
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agaagctcaa accattagag gtagagctgc gacgcctaga agacctttca gaatctattg 780
ttaatgattt tgcctacatg aagaagagag aagaggagat gcgtgatacc aacgagtcaa 840
caaacactcg ggtcctatac ttcagcatct tttcaatgkt ctgkctcatt ggactagcta 900
cctggcaggt cttctacctg cgacgcttct tcaaggccaa gaaattgatt gagtaatgaa 960
tgaggcatat tctcctccca ccttgtacct cagccagcag aacatcgctg gcacgtgcct 1020
gccctaaggc atcctacca cagcaccatc aaggcacgtt ggagctttct tgccagaact 1080
gatctctttt ggtgtgggag gacatggggt accacctaca cccaacaagt caatgagggg 1140
cttcttttta atttggtagg attttgactg gttttgcaac aataggtcta ttattagagg 1200
cacctatgac aaaaaatagg ggttacctag ataatgcaa agtcagcatt tgtcctgggt 1260
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gatgtgacac ctcataaaag tgagctttgg actgtagata actcttaaag aaaatgtcat 1560
tttagacaat taaaatattt gtgctcaact gcttggaata aaaaaaaaaa aaaaaaaaaa 1620
aa
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1622

&lt;210&gt; 429

&lt;211&gt; 548

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (385)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 429

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agcactgggg gaaacttgct ggtggctctc cccacaacct tgcccagagt cctttccact 120
aaggagggtga agagaacaga gaaagagatt tccatttctg ctgccagagc tggatatttg 180
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ttcatcatga gggtcaggga agcaaaaagct ctcagatgtg tccagggcgt tacttaagaa 300
atgagtatgc agattctgga aggggtgtgg aaaagggtgat cctttacccc caccagga 360
aacctgcatt gtgctagcat ggaanaatca tgggctttgg aattaaaccc atttggtgga 420
attaaaccca tttggtttca aatcccagtt atnacatctg ttaactttgc aaactcacia 480
aaattatctg aaattatctg agttttcatt tnctcacctt ccagaatggg gataatgcct 540
cctgcatc 548
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<210> 430

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 430

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ccccgcctt cgccgcttc tgtgggagca agaagcccga gcccgctctg gccacaggca 60
gccgcatgtt cctgcgcttc tactcagata actcgggtcca gcgaaagggc ttccaggcct 120
cccacgccac agagtgcggg ggccaggtag gggcagacgt gaagaccaag gacctttact 180
cccacgcccc gtttgccgac aacaactacc ctgggggtgt ggactgtgag tgggtcattg 240
tggctgagga aggctacggc gtggagctcg tgttccagac ctttgagggt gaggaggaga 300
ccgactgcgg ctatgactac atggagctct tcgacggcta cgacagcaca gccccaggc 360
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tragtcactc gataacccat accaaaaaag gtttccacct gcgatacacc agcaccaagt 480
tccaggacac acttcacagc aggaaatgac cactggcttr acaagggccg ggactggamc 540
ctgktgcctt tgnccgctaa actggataa 569
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<210> 431

<211> 549

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (541)  
<223> n equals a,t,g, or c

<400> 431  
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agctgatttg atcgaggagc gcggttaccg gacgggctgg gtctatggtc gctccgcggg 180  
ccgctccgcc ggctgggtgt tttttatcag ggcaagctgt gttccatggc agggaaacttt 240  
tggcagagct cccactattt gcaatggatt ttggataaac aagatctgtt gaaggagcgc 300  
caaaaggatt taaagtttct ctcaaggaggaa gaatatggga agttacaaat attttttaca 360  
aatgttatcc aagcattagg tgaacatctt aaattaagac aacaagttat tgccactgct 420  
acggtatatatt tcaagagatt ctatgccagg tattctctga aaagtataga tcctgtatta 480  
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ngggggggg 549

<210> 432  
<211> 1221  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1183)  
<223> n equals a,t,g, or c

<400> 432  
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aaaactaaag caccgcgacga cttagtgtgt ccggtcgtga agaaaccaca catctattat 180  
ggaagtgttg aagagaagga gagggagcgt ctggccaaag gagagtctgg gattttggg 240  
aaagacggac ttaaagcagg gatcgaagct ggaaatatta atataacctc tggagaagt 300  
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aggaagcagag cccggcagat caatgtttcc acagatgact cagaggtcaa agcttgccct 420  
agagccttgg gggaacccat cacacttttt ggagagggtc ctgctgaaaag aagagaaagg 480  
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gagaagtcta aaaagtccaa agaagagtat cagcaaacct ggtatcatga aggaccaa 600  
agcttgaaagg tggcaagact atggattgct aattattcgt tgcccagggc aatgaaacgc 660  
ttggaagagg cccgactcca taaggagatt cctgagacaa caaggacctc ccagatgcaa 720  
gagctgcaca agtctctccg gtctttgaaat aatttttgca gtcagattgg ggatgatcgg 780



cctatctcct actgtcactt tagtcccaat tccaagatgc tggccacagc ttgttggagt 840  
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aacacaaatg taggagcaat tgtattccat cccaaatcca ctgtctcctt ggacccaaaa 960  
gatgtcaacc tggcctcttg tgcggctgat ggctctgtga agctttggag tctcgacagg 1020  
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<210> 433

<211> 1115

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<400> 433

ggcacacatc accaagccca gccaaatttt gttttttttt tgtanagatg gggtttcate 60  
acgttkccca ggctgatctc gaacctctgg gctcaagcaa ttcactcggc tcggcctccc 120  
aaaatgctgg gattacaggc ctgagccact gcgcccagcc aggatttgaa ttattttaac 180  
tcatccatgg gctgccctag aatgtcacaa atgaggggtg tttaatgcct ttcttatagc 240  
tgctactgga acactattat gacctaatat atgagccatc cttactcacc tacaagtgtc 300  
gaagcaatgt tacatacttt ttgtctaaac tcagattttt tagcctaatt tcttgtcctc 360  
ctatccacct gcatccacac atggcctgca tggggctgcc ttccctgcag tgttctgcag 420  
ccatgcttca gggatatagc gttgggtggac agcctcaggc cttgggggga ctatagccac 480  
taaacgaggt gtgaaaggct caagaggatg accagcaatt aattatcccc agaaagtga 540  
ggaaaagaga cttttagggg tgttgctggg caagtcttga tttgaccgga gtcaaataca 600  
tcttcaagca atcttggaat cctcaactgc agtaagcatt tcaaaatgca aacaaactgc 660  
ttaacaactg acaagacacc agcccatagc ctgctcttcc aacagtgggt tctagctttg 720  
aacaaaagtg ctaaacattt ccttgaatat attcttcttc tttttgtcct catcactcaa 780  
tactgggtgt cttgtcacag gtagaacagc ttgtttcttt tccatctatt caagtgtgtt 840  
tctaattcta aaatgctgat cttctctgga gtctatggta ggcaattatg gtcactggaa 900  
tagtttgtct tgttttmaaa tattattggg gcatgtacaa cagcatccaa catatctgtc 960  
ttgttcctag atatatagct ctgattttag gccttttgtg cataccatta caatatgggt 1020  
gggtaagaca ttctacagta gcctgtgctg aactgatctc ttaaataaac ttgcttctgg 1080  
ttaactaaaa aaaaaaaaaa agggcggygc ctcta 1115

<210> 434

<211> 1604

<212> DNA

<213> Homo sapiens

<400> 434

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caggcctgtg cagacaggaa attctccctc gcagcaagta ggggaagtgg gttgtgggat 120  
gtgacctcct tccagatata aggcagttag gttaaacctg ccacctccag cctgatcca 180  
ttctcaccta gcggctacag gaagctgtgt ctgttcgatt tgggtggagg agatgtgcag 240  
ggagctgtat cttgtcctcc gcttgtgaaa aactcaagga tgtggagaag agtagaccgt 300

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aagcagggga tagactcata ggctgcaaca aaggtgactc tgtccctgga cactgcctcc 420
gtactttctc cttgcttcac tggccacagc atctccctcc agccctcgt atgtgcctct 480
gccatcttca cccatcatgg agcagagggt aggagaggca gcctgggaat atggagacca 540
gtgaaggacc aggcctggag agcacagggt cctacctggg catccagcag aggagccctc 600
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cagccctctc ctactttgat caccatttct ctccaggctt tctgcctccg agatgtggca 720
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ttgtatttca tataataaat ataatttaag aaaaaaaaaa aaaa 1604
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<210> 435

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<400> 435

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gccacgctgc aggcccgcca gcagctggag ctggaggagg tgaccggag ggtgaagaca 180
gccctcgcga ggaaggagga ggccgtgagc agcctccgga cacaacatga ggtgagtccc 240
tgtggccagc cctgctggac ctcggggctg ggancangcc tgaccctgtg ggtgtgctgc 300
a 301
```

<210> 436

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<400> 436

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cttgatatatt acattttaagt cacatatgca gctactgaca cttactagtg ctggttatagt 120
cctgggtatt attccatgag gtcgtcacat tttaaccttt tgcataagcc tccaacggcc 180
tgatggaatg atgaagcctc agaacagttt ctacacaatg gctaagggat gtacccattt 240
tnaattttcc tcttttctgt gatcacagag ggtgaatacg ctttggccgg atacacagaa 300
gtgaaaactg tcacccat                                     318
```

<210> 437

<211> 1882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1793)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1795)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1818)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1826)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1844)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1855)

<223> n equals a,t,g, or c

<400> 437

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tagcccgctcg ggagcgccag gccggccagg cctgcgcgcy cgccgccgcc gccgtgcgcy 60
ccgcgccgac catgtcgmag ccaaggagaa cccgtgcagg aaattccagg ccaacatctt 120
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caacaagagc aagtgtcaga actgcttcaa gccccgcgag tcgcatctgc tcaacgacga 180  
ggacctgacg caggcaaaac ccatttatgg cgggttggtg ctccctggctc cagatgggac 240  
cgactttgac aacccagtg cccggtctcg gaaatggcag cgacggttct tcctccttta 300  
cgagcacggs ctcttgcgct acgcccctgga tgagatgccc acgacccttc ctcagggcac 360  
catcaacatg aaccagtgca cagatgtggt ggatggggag ggccgcacgg gccagaagtt 420  
ctccctgtgt attctgacgc ctgagaagga gcatttcacg cgggaggaga ccaaggagat 480  
cgtcartggg tggctggaga tgctcatggt ctatccccgg accaacaagc agaatcagaa 540  
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actgggctag agagcaaaga agaggagagc gccatgagta gcgaccgcat ggactgtggc 840  
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gagccctccg tgacgcccga cctgctgaat ttcaagaaag gctggctgac taagcagtat 1260  
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tacgatgtca cagagtatcc agttcagaga aactatggct tccagataca taaaaggag 1440  
ggcgagttaa ccctgtcggc catgacatct gggattcggc ggaactggat ccagaccatc 1500  
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cgctccaaga ctttgactg ggctgagttc cgtcccatcc agcaggccct ggctcaggag 1740  
cgggtgggag gcgtggggcc tgctgacacc cagcagcccc tgcgcccctga ggnngnasctg 1800  
gggaagctgg agcgggancg tgcaacngaag cgggaggagc gccncaagcg cttcnggatg 1860  
ctcgacgcca cagaacgggc ca 1882

<210> 438

<211> 2056

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2046)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2053)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2054)

<223> n equals a,t,g, or c

&lt;400&gt; 438

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gattcagctt aacccgtgat cttcttaagt taaaggtact tttgttttat aaaagctcta 60
gataaaactt tcttttctga tcatgaatca agtatctgtg gtttcatgcc cctctctata 120
cctttcaaag aactcctgaa gcaacttaac tcatcatttc agcctctgag tagaggtaaa 180
acctatgtgt acttctgttt atgatccata ttgatattta tgacatgaac acagaatagt 240
accttacatt tgctaaacag acagttaata tcaaaccctt tcaatattct gggaacccag 300
ggaagttttt aaaaatgtca ttactttcaa aggaacagaa gtagttaacc aaactaacia 360
gcaaaacctg aggtttacct agtgacacca aattatcggg attttaactg aatttaccga 420
ttgactaaga atgaaccaga tttggtggtg gttttgtttc tatgcaaact ggacacaaat 480
tacaacagta aattttttta taagtgtctc tcccttctcc atgatgtgac ttccggagat 540
aaaggattca aaagataaaag acaaagtacg ctgagagttg ttaaccagaa agtcctggct 600
gtggttgagc aaacactggt ggaagaaaag agatgactaa gtcaagtgtc tgccttatca 660
aaagagcaaa aatgcctctg gttttgtgtt tgggagaaaa atatcttggg cgcactgttt 720
tccttgataa aagtcattct ctctactgtg tgaaatgaat acttgggaatt ctaattgttt 780
tgtgtgccag gggcagtaat gtccctgcct cttctcccaa tcaaggttga ggagtggggc 840
tgggggagag acttaactga cttaagaagt agggaaaaca aaaacctctc tcctcagcct 900
tccacctcca agagaggagg aaaaacagtt gtctgtgtc tgtaattcag tttgcgtgta 960
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acagaggttg acattgttca gggatgggac aaagccttct tcaatccttt tcatactact 1200
taatgatttt ggtgcaggaa cctgagattt tctgatttat atttcatgat atttcacatt 1260
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tggccagaga tttagatatg tccaatttcc tggctcattt cattgtgctc tatgggtacg 1500
tataaaaagc aagaattctg tttcctaggc aaacattgca actcagggtt aaagtcatcc 1560
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aatcaatacg cactttcaga tattcttatt tttattctct taagtcttta ttaactttgg 1740
agagagaaat gatgcattct tttattttta atgaagtaga tcaacatggt ggaacaaaat 1800
gataaagaac agaaaacatt tcaatatatt actaataact ttttccaata taaatcctaa 1860
aattcctata acatagtatt ttacagtttt atgaagcttt ctattgtgac ttttatggaa 1920
ttaagagatg aagaagatga gatatttttag catttatatt tttcaaaatt atatgtatac 1980
ttaaaaaata agtaacttta tgcattttaa aaaaaaaaaa agggsgggcc gtttttagag 2040
atccangttt acnncc 2056
```

&lt;210&gt; 439

&lt;211&gt; 721

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (688)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 439

```
ggcggcgagg rcagggtcgg gctcggagct gctgcttctg gttctcttgt ggccgccgtc 60
gctgtccggc tgcttggggc tgccgaacag acaaggcgtg ggccacagca cctcagaagc 120
cgacgcagct cgacgcaggg gccggcagga ggggtgggca tcgctgtctg gagggcgccg 180
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cgcgggcagg cgggcgggcg ccagaggggg aaagaggcgg gggcgggcgg tcagccgctg 240  
gccggggccgg ccgggggaatg tcgatgcccg acgcgatgcc gctgcccggg gtcggggagg 300  
agctgaagca ggccaaggag atcgaggacg ccgagaagta ctccctcatg gccaccgtca 360  
ccaaggcgcc caagaagcaa atccagtttg ctgatgacat gcaggagttc accaaattcc 420  
ccaccaaacc tggccgaaga tctttgtctc gctcgatctc acagtcctcc actgacagct 480  
acagttcagc tgcacacctac acagatagct ctgatgatga ggtttctccc cgagagaagc 540  
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ttggacgccg ggagattgag attgcagagc aagacatgtc tgctctgatt tcaactcagga 660  
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g 721

<210> 440

<211> 1041

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1025)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1030)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1039)

<223> n equals a,t,g, or c

<400> 440

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gaaaatggtg tgcattcctt gtatcgatcat tccagttctg ctctggatct acaaaaaatt 120  
cctggagcca tatatatacc ctctgggtttc ccccttcggt agtcgtatat ggcctaagaa 180  
agcaatacaa gaatccaatg atacaaacaa aggcaaagta aactttaagg gtgcagacat 240  
gaatggatta ccaacaaaag gaccaacaga aatctgtgat aaaaagaaa actaaagaaa 300  
ttttcctaaa ggaccccatc atttaaaaaa tggacctgat aatatgaagc atcttccttg 360  
taattgtctc tgaccttttt atctgagacc ggaattcagg ataggagtct agatatttac 420  
ctgatactaa tcaggaaata tatgatatcc gtatttaaaa tgtagttagt tatatttaat 480  
gacctcattc ctaagttcct ttttcgttaa tgtagctttc atttctgtta ttgctgtttg 540  
aataatatga ttaaatagaa ggtttgtgcc agtagacatt atgttactaa atcagcactt 600  
taaaatcttt ggttctctaa ttcatatgaa tttgctgttt gctctaattt ctttgggctc 660  
ttctaatttg agtggagtac aattttgttg tgaaacagtc cagtgaact gtgcaggga 720  
atgaaggtag aattttggga ggtaataatg atgtgaaaca taaagattta ataattactg 780  
tccaacacag tggagcagct tgtccacaaa tatagtaatt actatttatt gctctaagga 840  
agattaaaaa aagataggga aaagggggaa acttctttga aaaatgaaac atctgttaca 900  
ttaatgtcta attataaaat tttaatccct actgcatttc ttctgttcct acaaatgtat 960  
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aaaancccn ggggggggnc c 1041

<210> 441  
<211> 1995  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1957)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1992)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1995)  
<223> n equals a,t,g, or c

<400> 441  
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gaggagtgtc atccctaaga atttctagca gcaaaggctc ccttggtgga ggatttagct 180  
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gaggctttgg tgggtggattt ggaggagatg gtggccttct ctctggaaat gaaaaagtaa 480  
ccatgcagaa tctgaatgac cgcttggtt cctacttgga caaagttcgg gctctggaag 540  
aatcaaacta tgagctggaa ggcaaaatca aggagtggta tgaaaagcat ggcaactcac 600  
atcaggggga gcctcgtgac tacagcaaact actacaaac catcgatgac cttaaaaatc 660  
agattctcaa cctaacaact gataatgcca acatcctgct tcagatcgac aatgccaggc 720  
tggcagctga tgacttcagg ctgaagtatg agaatgagggt agctctgcgc cagagcgtgg 780  
aggctgacat caacggcctg cgtagggtgc tggatgagct gaccctgacc aaggctgacc 840  
tggagatgca aattgagagc ctgactgaag agctggccta tctgaagaag aaccacgagg 900  
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cagaaattga taataacatt gaacagatat ccagctataa atctgagatt actgaattga 1140  
gacgtaatgt acaagctctg gagatagaac tacagtccca actggccttg aaacaatccc 1200  
tggaagcctc cttggcagaa acagaaggtc gctactgtgt gcagctctca cagattcagg 1260  
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ttaaacttcc tgtgatgggt tttttgcgt ttaactctag agttgtttta aaaaattaaa 1920  
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<210> 442

<211> 1723

<212> DNA

<213> Homo sapiens

<400> 442

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<210> 443

<211> 1899

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c



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&lt;221&gt; misc feature

&lt;222&gt; (1878)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 443

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aaaaaaaaaa aaaccccnng gggggcccg taccaattc 1899
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&lt;210&gt; 444

&lt;211&gt; 430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 444

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tagggcagtg                                     430
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&lt;210&gt; 445

&lt;211&gt; 2153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (166)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 445

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<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 446

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<212> DNA

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<220>  
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<222> (20)  
<223> n equals a,t,g, or c

<220>  
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<222> (25)  
<223> n equals a,t,g, or c

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<210> 448  
<211> 3983  
<212> DNA  
<213> Homo sapiens

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<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

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<222> (1010)

<223> n equals a,t,g, or c

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<222> (3067)

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<221> misc feature

<222> (3255)

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<400> 448

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&lt;210&gt; 449

<211> 1177

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 449

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<210> 450

<211> 2428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2009)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2037)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2343)

<223> n equals a,t,g, or c

<220>  
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<222> (2348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2420)  
<223> n equals a,t,g, or c

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<210> 451

<211> 2485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<400> 451

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gcgtgaaata aagatttttg agaatttgag aggaggtccc aacatcatca cactggcaga 300  
cattgtaaaa gacctgtgt cacgaacccc cgcttgggtt tttgaacacg taaacaacac 360  
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<211> 963

<212> DNA

<213> Homo sapiens

<400> 452

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ggccgggact ctgaactatg gcggctagtg atacagagcg agatggacta gcccagaaa 180  
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<210> 453

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<400> 453

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atccagaaca ctcatatgag tttaagcatt ccagaccaaa gaagccacgg agtctaagaa 180
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tgggtatcat agtcctctta gatgtggtac aagcscatgc ttcaaaaaat tccagcagat 480
gggattggaa tatggttttg atgggggaca gattccnggt taattttcca ttcttgggan 540
cctagaaggg gactccatgg atctttnggg ggatagccag aattgtttgg ccncaatccc 600
cagt 604
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<210> 454

<211> 1917

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 454

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gatgcccgcc ggtgcgtctg gagatgggga cggcgggagt tgagttgtgg cagtagtyga 180
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cttgccagat cctccctct gtagacaacc accaacctct gtttgctgtt gaattctctc 480
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gggcagaagg ttggagggac acttatgagg gtggccgggg gtctgacgct gcacttttga 600  
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acattcttga agttttctca ggcttttgac acttctgggg atggagggtg ggagaagtgg 720  
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&lt;210&gt; 455

&lt;211&gt; 1538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 455

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<210> 456

<211> 2189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<400> 456

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aaacctttta tctcctaaaa aaaaaaaaaa 2189

<210> 457

<211> 1399

<212> DNA

<213> Homo sapiens

<400> 457

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<210> 458

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 458

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ctacacaggt ccagaaaaaa agctgatctc tgaaaagcac taggagaagg cagctagaga 180  
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```

<210> 459

<211> 1283

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 459

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<210> 460

<211> 435

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (431)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 460

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tcgacccacg cgtccgcaag tacaaaaacc ttaagtttca tttgtagggc cacagatcat 60
agaatttcaa atgacatatt acatagtttg taaatgtata tatttggttg actgaaactt 120
aatcataatt tagttcttaa aactatgtgg cttgaagtgg caagtagcaa gtactgattt 180
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acatgggcca gtctgtggam attagtgggc tcagttagcc ttggccggtg aggrggaayc 420
agtgtttggg natte 435
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&lt;210&gt; 461

&lt;211&gt; 654

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 461

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catgtcctaa gtragggtc aggtgagct gccgttgccg agagccttgt gtctgtctcg 600
ggtgtctgca ctgtgagtgg ctccgtgctr gcgtccgcac cagccgcttg gggc 654
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&lt;210&gt; 462

&lt;211&gt; 2245

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 462

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<210> 463

<211> 1280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1016)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1254)

<223> n equals a,t,g, or c

<400> 463

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<210> 464

<211> 2431

<212> DNA

<213> Homo sapiens

<400> 464

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&lt;210&gt; 465

&lt;211&gt; 589

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 465

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acaaaaacag aggggtgagac agaagtgaag aaagatgagg ccggagaaaa ctattccaag 180  
gatcaagggtg gtcggacatt gtgtggtgta atgaggattg gcctggttgc aaaaggcttg 240  
ctgattaaag atgatatgga cttggagctg gttttaatgt gcaaagacaa acccacagag 300  
accctgttaa atacagtcaa agataatctt cctattcrga ttcagaaact cacagaagag 360  
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cccacgctaa ctttgaagggt gatacttacc tcacctctaa ttagggacga attggagaag 480  
aaggatggag aaaatgtttc gatgaaagat cctccggact tattggayag gcagaaatgc 540  
ctgaacgcct tggcgtctct tcgacatgcc aaatggtttc aggcaaggg 589

&lt;210&gt; 466

&lt;211&gt; 1107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature

<222> (1099)

<223> n equals a,t,g, or c

<400> 466

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ggacaccggc ggagcctccc cgcccccgcg gaagaaaccc cgccagcaac aatagcaaca 120
gcctgaatgt caataacggg gttccccggc gggcgggcgc cgcatcctca gccaccgtcg 180
cagctgcctc cgccaccacc gccgcctcct ctctccttggc caccaccagaa ctgggcagca 240
gcctcaagaa gaagaagcgg ctctcccagt cagatgagga tgtcattagg ctaataggac 300
agcacttgaa tggcttaggg ctcaaccaga ctgttgatct cctcatgcaa gagtcaggat 360
gtcgtttaga acatccttct gctaccaaat tccgaaatca tgtcatggaa ggagactggg 420
ataaggcaga aaatgacctg aatgaactaa agcctttagt gcattctcct catgctattg 480
tggttaagagg cgcaactgaa atctctcaaa cggtgttggg aataattgtg aggatgaagt 540
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gcaaagggac agcttcccg a tctaaactat tggataaact tcagacctat ttaccacat 780
cagtgtgct tccccacgg cgtttacaga ctctcctgcg gcaggcgggtg gaactacaaa 840
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gaagcattgt tatgaatttt ggttcctgtt aattcctcct aatgaatggc acttaaaact 1020
agcaaccagg atcccaaaag atacaaccag ttatttcata ttggcaattt ttgaatcccc 1080
ggaatacaca ccctgcttna aacttgc 1107
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<210> 467

<211> 2197

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (846)

<223> n equals a,t,g, or c

<400> 467

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ccgccaatga aacgcctccc gctcctagtgt gttttttcca ctttggtgaa ttgttcctat 120
actcaaaatt gcaccaagac accttgctct ccaaagtcaa aatgtgaaat acgcaatgga 180
attgaagcct gctattgcaa catgggattt tcaggaaatg gtgtcacaat ttgtgaagat 240
gataatgaat gtggaaattt aactcagtc tgtggcgaaa atgctaattg cactaacaca 300
gaagggaagt attattgtat gtgtgtacct ggcttcagat ccagcagtaa ccaagacagg 360
tttatcacta atgatggrac cgtctgtata gaaaatgtgr atgcaaactg ccatttagat 420
aatgtctgta tagctgcaaa tattaataaa actttaacaa aaatcagatc cataaaagaa 480
cctgtggcct tgctacaaga agtctataga aattctgtga cagatctttc accaacagat 540
ataattacat atatagaaat attagctgaa tcatcttcat tactaggtta caagaacaac 600
actatctcag ccaaggacac cttttctaac tcaactctta ctgaatttgt aaaaaccgtg 660
aataattttg ttcaaaggga tacatttgta gtttgggaca agttatctgt gaatcatagg 720
agaacacatc ttacaaaact catgcacact gttgaacaag ctactttaag gatatcccag 780
agcttccaaa agaccacaga gtttgataca aattcaacgg atatagctct caaagtttyc 840
tttttngatt catataacat gaaacatatt catcctcata tgaatatgga tggagactac 900
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```

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cctcaaaatt atgataattc tgaagaggag gaaagagtca tatcttcagt aatttcagtc 1080
tcaatgagct caaacccacc cacattatat gaacttgaaa aaataacatt tacattaagt 1140
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```

<210> 468

<211> 3611

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3581)

<223> n equals a,t,g, or c

<400> 468

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cgtacagtat ctccgacgca cagggttcat agtggcgtca tgcacgcaga ctccctgcaag 120
ttcccctaag ttcttagagg actgctttgc cttttgatct gagagttgca aagttccata 180
aagaatggcc cttgtggata agcacaaaagt caagagacag cgattggaca gaatttgtga 240
aggtatccgc cccagatca tgaacggccc cctgcacccc cgccccctgg tggcgctgct 300
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cggaattgcc gtgtgcaaca tcccgtctgc agccgtggaa gagacagcgg actctacccat 600
ctgccacatc ctcaacctgt accggagaac acgtggctgt accaggcact gcgggaaggc 660
acgcgggttc agagcgtgga gcagatccgc gaggtggcct cgggagcggc ccgcatccgt 720

```

ggggagacgc tgggcctcat tggcttttggc cgcacggggc aggcgggttgc agttcgagcc 780  
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tccctgggcg tgcagagggt ctacaccctg caggatttgc tgtatcagag cgactgcgtc 900  
tccttgcaact gcaatctcaa cgaacataac caccacctca tcaatgactt taccataaag 960  
cagatgaggc agggagcatt ccttggtgaac gcagcccgtg gcggcctggg ggacgagaaa 1020  
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&lt;210&gt; 469

<211> 520

<212> DNA

<213> Homo sapiens

<400> 469

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caacttcatt cccttacaca cttcagtgac atcagtgctt tgacaggggg aactgttcat 120
cttgatgagg tgaggttgag atatggttgt agtaggatgt gactttcatg ctttcagcaa 180
aatgtatgtg gggcttatta ccatgaggaa cttgggaagg gatgctggct ctcagaacca 240
cagtgccatt ccataccttc tccatctgtc tccaggatca gaatcctatt aagaagcggg 300
agaagatacc tcagaaaggt cggaagaaaa aaggtcagtg aactgctggg acttaggtga 360
tcaggtgcaa ggtggggagt acaaattgag tctctttgga tttgccattc tgggtctcac 420
caagccctgt agtatctctt ccatactggg caataatctc cttaggtggg cttttatatt 480
ttgctttcct garctggaaa tcagcatcwt tyacaaattg 520
```

<210> 470

<211> 879

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (472)

<223> n equals a,t,g, or c

<400> 470

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gaaaaccccg cgccgtcatc gagagctttg tgaatcacgc cccgggggtc ttctcaggga 180
ccttctcttg cacgctacac cccaactgcc aagacagcag cgggcggccg cggcgtgaca 240
tcggcaccat cctgcagatc ctgaacgacc tcctgagcgc caccggcac taccaggga 300
tgcccccttc gctggcccag ctccgctgcc acgcccagtg ctccccggcc tcaccggccc 360
ccgacctggc cccagaaact acctcctgcy agaagctcac ggctgcccc tcagcctccc 420
tgctgcaggg ccagagccag atccgcatgt gcaagcccc gggggaccgg cnttcggcag 480
acagaaaacc gcgcacagct gkcaagggtg aacggctgca gctgcttctg cacgagaaac 540
ggmtstcgtm gaaaggcccg gcgggaccgc ggggtgtccgt accactggtc accagccgc 600
aaggcgcccg cagcgacagc agtagcagcg ggggcggcgg caccgaagcg caggcctccg 660
gcttgggact cgacttcgag gagctccgta tggaaagccag aagtcaacc tgacatcaag 720
tcaaagttcg tgggtgggctt aggatctctc ggatcggcca aacttcggcc ctgcgaaccg 780
cagccccagg gcggcgcccg aattcgcaga accccgaaa agaaagttga ccagcccttg 840
caaggagagc gggcaattcc cgcagtcagg acagggttg 879
```

<210> 471

<211> 2557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 471

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gctccaccac caatgtctca gtctacctgt tcccttcatt ccatccactc tgagtggcaa 120
naaaggcccc tgtgtgagca cacaagaact ctgagcactc acagtgttcc caacatatca 180
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gaaaatactt ttcaggagct ccaggtaatg aggcgggctg naaatttgtt tagaacacaa 480
atgatggatt tagaattggc aatgctgcgt caaaaccatg gtttatcatc atatgactga 540
ggaggagagg tttgaagtgt atcagctcca gggtttyaga aattcagtcg gaatggaact 600
tcaggacctg gaactgcagc tggaggagcg cctgctgggc ctggaggagc agcttcgtgc 660
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tgaggaaagt gatgcagctg aaggagcccc agaagtgtga ggacctaaat ctgaagtgga 1140
agaagggcag ggaaaactcc catcaatgcc agctgctgag gaaatgcata aaaatgtgga 1200
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gcctaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 2557
```



<210> 472  
<211> 467  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (466)  
<223> n equals a,t,g, or c

<400> 472  
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tgtgttttga cccctcacag ctgactcaca ggaagtgtta agaagagctt ggcaactggc 360  
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atccttgata gaccatgaag gcttccaagt ttgcnaagac tcccang 467

<210> 473  
<211> 1840  
<212> DNA  
<213> Homo sapiens

<400> 473  
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gcttgctgaa cagggtatgga agctgtcttt gctgttaagt acttctcccg tttgtttatc 180  
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cagtattcaa agccttttta aaggaaccaa ctactcaa at gctctacaat gccaaaaata 540  
caatactcct gcagggttttc ccaagcaagg ccaaaacaat caaaatctga cagaaaaaca 600  
cagctgttca gctctggaat ctgatgatag gctacttttt aatgtcagga catccttcta 660  
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<210> 474

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (726)

<223> n equals a,t,g, or c

<400> 474

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<210> 475

<211> 4231

<212> DNA

<213> Homo sapiens

<220>

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<222> (4136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4167)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (4184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4223)

<223> n equals a,t,g, or c

<400> 475

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<210> 476  
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<212> DNA  
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<220>  
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<222> (689)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (691)  
<223> n equals a,t,g, or c

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tcagtgcaga taatctcagg agacactgaa gaaggaggc tctgtkgaca raggagcagt 600  
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<210> 477  
<211> 1418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (1127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1289)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1319)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1400)

<223> n equals a,t,g, or c

<400> 477

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<210> 478

<211> 1237

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1236)

<223> n equals a,t,g, or c

<400> 478

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<210> 479

<211> 1098

<212> DNA

<213> Homo sapiens

<400> 479

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tcctgccgga acaggaggac gcggaaggcc ctgggggtgc agtggagcga ccgttgagcc 180  
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<210> 480

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 480

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<210> 481

<211> 2995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1760)

<223> n equals a,t,g, or c

<400> 481



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<210> 482  
<211> 1248  
<212> DNA  
<213> Homo sapiens

<400> 482  
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cagtttacct aaagaaggag cttcccttct ttattctctt tactgctgga ttatgttctc 840  
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<210> 483  
<211> 1862  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<400> 483  
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ccancgggaa ccactatctc tgcaactcctg gggttttggt acatggctgc tttcctcaaa 180  
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cataggaaga gaaataactt aacaattttg cagagataca tgtcttccaa aataccagct 300  
gttacttata ctaaaaatga gagtacaccc cttcttgaag agctagagtt ggataagtgg 360  
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gatgaagatc ctctagctgc caccagagag ttcattgaga tgtggagatt gcttggcaga 480  
gaagtaccag aacacatcac tgaagaagag ctcaaaaccc ttatggaatg tgtttctaac 540  
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caaataaaaa aggaaatgaa agcagcagca aggggaagaag caaaaaatat caagctgcta 660  
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aa 1862

<210> 484

<211> 1664

<212> DNA

<213> Homo sapiens

<400> 484

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tttctaattc cctaaaaattg tgtgggtgga gtggagccct gcagttgggg ggtaacatgg 180  
accactgatt ttgccctttg accctgcaca atgacctttg catcagccaa actcattgcc 240  
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gcttaccggt acactagact aagcccttga tgacttattg catgatacag taccaggaac 540  
aacagggtgg ctaaatatcat gaaaagcagt gtaagctagt gacactaaag ccagtcttgt 600  
attactgtat ttttgacaga atgggttttg aaactgtgct acagggactg atgtggcaaa 660  
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gccagaatgt tagtgaaggt tttattgtgc ccggttggag gataacgttc tttgggtact 1440

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gacttaatgt gattgttact gttatatcca gcctatactg ctagcagctg ctcatactgc 1560
agtcaattac tggaagcgga tatatttcct atgcaaaaac tgtttaaaca ataaaatgag 1620
ctatgctaca gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1664
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&lt;210&gt; 485

&lt;211&gt; 969

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 485

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agaatatgc 969
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&lt;210&gt; 486

&lt;211&gt; 2572

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (823)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 486

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<210> 487

<211> 1451

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 487

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cacttctgca gtccacgctg aacatgggaa acaacctgaa aagcaggcag gcctcccggg 360  
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aaaaaaaaa a 1451

<210> 488

<211> 1200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<400> 488

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<210> 489  
<211> 285  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<400> 489  
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tcagcctcct gaagacactg aacaccgcag tgttttccag tcagcaacgc aacaaaatca 180  
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<210> 490  
<211> 682  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<400> 490  
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cggcccttct gctgcacaca gcccacccag gacctccgc agcgctgaca ggcggggcg 180  
gtgcaaagac gggcggggt ctctgcgccc ggccccctcc cctgactatc aaagcagcgg 240  
ccggctgttg ggggtccacca cgccttccac ctgccccact gcttcttcgc ttctctctg 300  
gaaagtccag tctctcctcg gcttgcaatg gaccccaact gctcctgcgc cgctgggtgc 360  
tcctgcacct gcgctggttc ctgcaagtgc aaagagtgc aatgcacctc ctgcaagaag 420  
agctgctgct cctgctgccc cgtgggctgt agcaagtgtg cccagggctg tgtttgcaaa 480

ggggcgctcag agaagtgcag ctgctgcgac tgatgccagg acaacctttc tcccagatgt 540  
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cattccctttt cctgtgaaat atgtgagtga taattaaaca cttagacctt gaaaaaaaaa 660  
aaaaaaaaaa aaaaaaaaaa aa 682

<210> 491

<211> 1859

<212> DNA

<213> Homo sapiens

<400> 491

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aaaaaatgaa agacgctctg tttaaaacaa tgatgacagc agtacttaat atgtatttcg 180  
aggtgaactt atatagattg agagaggctg catttggcag actgatgtat aggaagacct 240  
atttgtttct agcttctccc tgcagggaaa atgctttcgt cattatagcc tctttacaca 300  
gactggccat tctagtgaac aggtggtaaa cctttgggct gccagaaac attttatctg 360  
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tcttcatttt cttccccaac cttctcctcc tgggaaacac aaatgctatc tcacttgaca 480  
aaaggtttta gaggataaag ctgaaaagat tggattggga tctttttgtg gcttggggcg 540  
gactttttgc taaaatctca agaattgctgc tttgagttta gctaggggtg ctctcagaac 600  
tgggggtgcct ggcattctca gcatctctca ggggcctccc acctctgaca actgcagtgt 660  
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caacttgaac attgtacaat tttactgcaa tttcctttga actttcttgc cactgfttgg 780  
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<210> 492

<211> 2709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2160)



<223> n equals a,t,g, or c

<400> 492

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gatgagttca ttgagagtat ttcccttctg ccggaacctg agaagaccct gcacactgaa 180
gatacagatc accagcacac tgcaagccat ggggaggaag aagccctaaa agaagatccc 240
cctagaaatc tcctggaaga gaggaatca gatcaactgg ggctgcctca gaccttgacg 300
caggaattct ccctgatcaa tgtgcaaatc cggaatgtca atktggagat ggatgcggca 360
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ttccctgcac agtaccctaaa caacgccgcc ccttccttcc agtttattaa ccccaacaacc 480
atcacatcca ccatgaaagc taagctgctg aagatcctga aggacacagc cctgcagaaa 540
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cckktgtgaa ccaggwagac agcgttcca gcaaccggtt tgcaactccc aactctgtca 660
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cattccctt ctaggactt ctggggccag gttctgcgga cagkttacct ggtatatttc 780
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aggcgggcc 2709
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<210> 493

&lt;211&gt; 1451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1307)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 493

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atgacaaagg tagaaaaaag cacaaatgaa gcaatggagt ggatgaataa caagctaaat 180
ctgcagaaca agcagagttt gaccatggat ccagttgtca agtcaaaaga gattgaagct 240
aaaattaagg agctgacaag tacttgtagc cctataattt caaagcccaa acccaaagt 300
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gacaacccag gccccaggc tgctgagcag ggtacagaca cagctgtgct tcggattcag 420
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agcattttca cttctaaata gttagataga gaaattaagt gcattgtatc tttttcataa 660
tggtactatt tagaagccca gttagtctta ctgagcttat gcttcactcc tttatgttta 720
accatgtgtc tacaagaata agtttgtttt ggaaagttga gctatagcta cagctctagc 780
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gggtgcggcg aagccacgtg cttctagctc gacgtgtgtt cgcaaacggc ggcttcgtac 1440
tcaattcgca c 1451
```

&lt;210&gt; 494

&lt;211&gt; 1268

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 494

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ttgcagaatg gcctggtgag ttgggcagag gttggatgga cagaaacaaa cacacagaga 120
gtgaagtcca aggacgctgg tcttctttct ccctttgtag agtgaggatg aagctctgca 180
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tactaatacc caccttgtag tggtgctatg aagattgaga taatcctcag cagtgtctag 480
caccatgagg cccaacacac acagatcaga tgttcaaatt tcagatctta ccatcatcca 540
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ggggggggg 1268
```

<210> 495

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<400> 495

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aggatgtgaa ttccacctca aattaaaaca ttaaaaaaag aaaatggtag acagtggccg 120
ccctaggtgt tgaggaattc ccagttcaca atctcctgag cagtgcgtgg catctacaga 180
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ccccggcccg agtagctggg accccaggca tgcaccatta caaccaacta attttttttn 360
atttttaatt aatttccttt gnga 384
```

<210> 496

<211> 975

<212> DNA

<213> Homo sapiens

<400> 496

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aacctcatct tcagatactt acaaaataga tcgcggattc aggtgtggct ctatgagcaa 180
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ctaaaaggag ataattattc tctgctacaa agtgtctcca actagaaatg atcaatgaag 360
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```

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agtaacacca ttcgttgytg gtatttagtt ttctgaaggg tcgcagttgc cttgagcact 600  
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agagactgag attgg 975

&lt;210&gt; 497

&lt;211&gt; 2075

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 497

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caccggcggtg tgttcaccct ccggggtggc tcacacactc tcattcacac acacaaatct 180  
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2075

<210> 498

<211> 1904

<212> DNA

<213> Homo sapiens

<400> 498

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<210> 499

<211> 2871

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1642)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 499

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<210> 500

<211> 1624

<212> DNA

<213> Homo sapiens

<400> 500

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aaaa 1624

<210> 501

<211> 848

<212> DNA

<213> Homo sapiens

<400> 501

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<210> 502

<211> 3192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3085)

<223> n equals a,t,g, or c

<400> 502

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<210> 503

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<400> 503

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<210> 504

<211> 2196

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2196)

<223> n equals a,t,g, or c

<400> 504

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&lt;210&gt; 505

&lt;211&gt; 949

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 505

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&lt;210&gt; 506

&lt;211&gt; 365

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 506

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tactatcgcc gcgacgttga actcaaccag acgctggatc gcgaacaGgc catcgagatg 180
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nagga 365
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<210> 507

<211> 2059

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<400> 507

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ctccgacgcg gaccccagta ccaaggattt tctattgcag cagaccatgc tacgagtga 240
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<210> 508

<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (726)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 508

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cctttgtgtg aagttgacct ggtcaagggc gggcactggt ggaaggcgct gattcccagt 180  
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gttccccaag aagaactgga aaatgccagc ctagtggtta cagttttcgg ccacaacatg 480  
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gagaccaacc actggaggcg catgctcaac acgcaccgca cagccgtgga gcagtggcat 600  
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gtaaattgtga taactagatt atgggccatt tggagaaacc aaatggcaac caaaactatt 1260  
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<210> 509

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (720)

<223> n equals a,t,g, or c

<400> 509

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<211> 944  
<212> DNA  
<213> Homo sapiens

<400> 510  
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<210> 511  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<400> 511  
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<210> 512  
<211> 3651  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc feature

<222> (1283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3650)

<223> n equals a,t,g, or c

<400> 512

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&lt;210&gt; 513

&lt;211&gt; 1936

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 513

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<210> 514

<211> 1177

<212> DNA

<213> Homo sapiens

<220>

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<211> 932

<212> DNA

<213> Homo sapiens

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<222> (864)  
<223> n equals a,t,g, or c

<220>  
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<222> (880)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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<211> 1159  
<212> DNA  
<213> Homo sapiens

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<210> 517

<211> 2451

<212> DNA

<213> Homo sapiens

<400> 517

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<211> 989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (871)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (891)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (910)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (913)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (926)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (947)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 518

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&lt;210&gt; 519

&lt;211&gt; 3315

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 519

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<211> 2361

<212> DNA

<213> Homo sapiens

<220>

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<222> (2121)

<223> n equals a,t,g, or c

<400> 520

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2361

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;221&gt; misc feature

&lt;222&gt; (1721)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2477)



<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2516)

<223> n equals a,t,g, or c

<400> 521

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<213> Homo sapiens

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<222> (1279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1286)  
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<210> 523  
<211> 1100  
<212> DNA  
<213> Homo sapiens

<400> 523  
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<210> 524

<211> 1963

<212> DNA

<213> Homo sapiens

<400> 524

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<210> 525

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (782)

<223> n equals a,t,g, or c

<400> 525

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<210> 526

<211> 2599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2410)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2461)

<223> n equals a,t,g, or c

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<221> misc feature  
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<220>  
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<222> (2500)  
<223> n equals a,t,g, or c

<400> 526

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<210> 527

<211> 1305

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1293)

<223> n equals a,t,g, or c

<400> 527

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<210> 528

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1628)

<223> n equals a,t,g, or c

<400> 528

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<211> 1944

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<400> 529

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<210> 530

<211> 1425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1411)

<223> n equals a,t,g, or c

<400> 530

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<210> 531

<211> 1466

<212> DNA

<213> Homo sapiens

<400> 531

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<210> 532

<211> 1658

<212> DNA

<213> Homo sapiens

<400> 532

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&lt;210&gt; 533

&lt;211&gt; 2857

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 533

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<210> 534

<211> 1335

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1334)

<223> n equals a,t,g, or c

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aaaaaaaaaa aaana 1335

&lt;210&gt; 535

&lt;211&gt; 2818

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 535

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&lt;210&gt; 536

&lt;211&gt; 1397

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 536

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<210> 537

<211> 1233

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1202)

<223> n equals a,t,g, or c

<400> 537

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tgactcaaaa ggctgcaact actgtggaac atttggccat ccagtgtcat tgggtctcaga 180  
ggccagcagt tattggagat gtccttcaag tctacagtgg gtctgaaggg agggctatta 240  
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caagagaaaag aggtcaacta agatatgtgg aacaaaaagc aggaattact tttaaactgt 600  
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tggtctccgt ttcttatgct gctgttgatt ttttccgacc atcagctcag agactgatag 720  
aagagaaaag tgcagtggat gcattggctg cagcttttagc ccacatttct ggtgcatcaa 780  
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<210> 538  
<211> 1016  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

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aagtgcctggg attacaggcg taacacncgg gcctggcctg ttttatgatt cttaatagtt 180  
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gaattatttc tcatgctcat tttcttgccg cagttatctt agaaagaccc ccaaaggctt 360  
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<210> 539  
<211> 1679  
<212> DNA  
<213> Homo sapiens

<400> 539  
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gactggcaga tccgccaggt gcgggcgcta ctgcaggcac agcaggccta ggtcctccca 1620  
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<210> 540

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (970)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (978)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1027)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1067)

<223> n equals a,t,g, or c

<400> 540

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<210> 541

<211> 2259

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2253)

<223> n equals a,t,g, or c

<400> 541

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cgggcttata aaaatctgtg ccatcatggt gattttatcc aagactgctc cacttaccct 180  
agtgtctggg acaagtttct gttgaaactt tagatagcag aattatttgc aattttagc 240  
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cccatattct tctactgcc ttaactctgg tatacaccaa aaagaaatct ttactttcct 2160  
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<210> 542

<211> 1347

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1290)

<223> n equals a,t,g, or c

<400> 542

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agggattggg gaatttttct gtaaactt ctaagggcaa tacagccaaa aatgggtggc 120  
tgcttctcag taccaatatg aagtgggtac agttttcaaa cctacacgtt gatgttccaa 180  
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<210> 543

<211> 1901

<212> DNA

<213> Homo sapiens

<400> 543

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cactagctta ttcttccctg ttataaaatg gtttgaactt actgaggaga tattcctatc 1860  
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<210> 544

<211> 842

<212> DNA

<213> Homo sapiens

<400> 544

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<210> 545

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (652)

<223> n equals a,t,g, or c

<400> 545

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accgggtcca gaccacgcg gcgccagttc tccggcgggga aggaaaaccg cgcagagagg 180  
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caaaaaatgc tgatggaaaag ttaagcgtga aatttgggggt cctcttccgt gatgataaat 300  
gtgccaacct ctttgaagca ttggtaggaa ctcttaaagc tgcaaaacga aggaagattg 360  
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tgcaagatta atgtggttta catatcttta tgtactgcc a ttttttgttt ctggtaaaact 480  
ggaatataaa gtgaaagaac aaacatttga acatacttaa tgtattttta tagaactttg 540  
taaacgaaag gagattcatg ttttagaagt ctgtcctttt ttatatcttg aaagaaaatc 600

tatgtatgat gctataaaat aaatcctatt attttctmag natmtggttg anattctgcg 660  
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<210> 546

<211> 2142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<400> 546

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aagtcagatc atgaagaact ttcaggctcc tccacaaatc tcgctgacca taacccttct 180  
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<210> 547

<211> 1893

<212> DNA

<213> Homo sapiens

<400> 547

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<210> 548

<211> 630  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<400> 548  
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<210> 549  
<211> 586  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (508)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (573)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (583)  
<223> n equals a,t,g, or c

&lt;400&gt; 549

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garccacca cctaatact actgaaaarnan cttngttcac ttaatttccc ctttaatttc 540
tttttccata aaargttaag ttaattttta agnggtgaaa ggntca 586
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&lt;210&gt; 550

&lt;211&gt; 1586

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1574)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1578)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1585)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 550

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<210> 551

<211> 2143

<212> DNA

<213> Homo sapiens

<220>

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<222> (1602)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2086)

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<220>

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<222> (2097)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2140)

<223> n equals a,t,g, or c

<400> 551

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<400> 552

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<211> 278

<212> DNA

<213> Homo sapiens

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&lt;210&gt; 554

&lt;211&gt; 2658

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1292)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2128)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 554

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<211> 1728

<212> DNA

<213> Homo sapiens

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<222> (1642)

<223> n equals a,t,g, or c

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&lt;210&gt; 556

&lt;211&gt; 3355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (210)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 556

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<211> 1079

<212> DNA

<213> Homo sapiens

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<400> 558



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<211> 2645

<212> DNA

<213> Homo sapiens

<400> 560

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<222> (2398)

<223> n equals a,t,g, or c

<400> 562

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&lt;211&gt; 1544

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 563

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<211> 2299

<212> DNA

<213> Homo sapiens

<220>

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<222> (179)

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<222> (180)

<223> n equals a,t,g, or c

<400> 564

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&lt;210&gt; 565

&lt;211&gt; 364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 565

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ggct 364

&lt;210&gt; 566

&lt;211&gt; 2481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1213)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1214)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 566

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<210> 567

<211> 1364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1362)

<223> n equals a,t,g, or c

<400> 567



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&lt;210&gt; 568

&lt;211&gt; 1606

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 568

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<210> 569

<211> 1385

<212> DNA

<213> Homo sapiens

<400> 569

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<210> 570

<211> 1144

<212> DNA

<213> Homo sapiens

<400> 570

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<211> 2754

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2611)

<223> n equals a,t,g, or c

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&lt;210&gt; 572

&lt;211&gt; 2657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1285)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 572

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<211> 2352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<400> 573

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<211> 328

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

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<210> 575

<211> 1678

<212> DNA

<213> Homo sapiens

<400> 575

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<210> 576

<211> 2508

<212> DNA

<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (2464)  
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<220>  
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<222> (2472)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2494)  
<223> n equals a,t,g, or c

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<210> 577

<211> 1531

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (433)

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<220>

<221> misc feature

<222> (435)

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<221> misc feature

<222> (1525)

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<221> misc feature

<222> (1530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1531)

<223> n equals a,t,g, or c

<400> 577

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&lt;211&gt; 1244

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 578

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&lt;211&gt; 4006

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 580

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&lt;211&gt; 565

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 581

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&lt;211&gt; 2528

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 582

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2528

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&lt;221&gt; misc feature

&lt;222&gt; (1871)

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1899)

&lt;223&gt; n equals a,t,g, or c

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&lt;221&gt; misc feature

&lt;222&gt; (1907)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 584

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1931

&lt;210&gt; 585

&lt;211&gt; 1020

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1006)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1018)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 585

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&lt;210&gt; 586

&lt;211&gt; 767

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (617)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 586

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&lt;210&gt; 587

&lt;211&gt; 847

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 587

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&lt;210&gt; 588

&lt;211&gt; 2158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 588

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<210> 589

<211> 2299

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 589

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<210> 590

<211> 2180

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1353)

<223> n equals a,t,g, or c

<400> 590

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<210> 591

<211> 1193

<212> DNA

<213> Homo sapiens

<400> 591

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<210> 592

<211> 2002

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1914)

<223> n equals a,t,g, or c

<400> 592

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<210> 593

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 593

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ttaaaaatgca tcccgttgtt tttgtggcgt ttctgatcct ttcttttyta atgtgtccca 960
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<210> 594

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<400> 594

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tcaccttcgc ctctgctgaa gtctccccgc agccctctcc acccagaggt ctccctatac 180
cgagaccac catccttcca tcctgaggac cgccccaaacc ctcgagagccc cccactcagt 240
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gcttctctaa ggaacctttc aaccaaancc ttc 333
```

<210> 595

<211> 1120  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (585)  
<223> n equals a,t,g, or c

<400> 595  
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atgcatccga gtttggaac cccacttaag ggatggagcc tgggggatca cattaacgg 180  
aaaatgccaa cgacttctac cacctctacg cgtttttagt ttttcatttt ctogaaggaa 240  
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tccggggact tggcgcggcg ccttggtggc tttggttgct cttccacgct cccggcagct 360  
gaccagaatc tcttgagggg tctcctgggc cacctcggcc gcgccagtcg tgcagtgaga 420  
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cttctattac atttcttatt accatattgc atttcctata gtgggcagca tagagcaggt 960  
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<210> 596  
<211> 532  
<212> DNA  
<213> Homo sapiens

<400> 596  
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ttgagtaatt ccatgccttt tgacaagtgt tctgtaccca tgccacgacc accacaatcg 180  
agagagaaca tcttcatcac tccagaaggg ctcccttgca gtgagtactc cctaggagtt 240  
ccagcggccg gtgacattga tctgttttct gtcactgtag atgagatttg tctgttatat 300



acaatttttta aaaattaaat gatatgtatg gcttcttttg ctttagcataa tgttttttgag 360  
cttatttcatt tgttgcatat atcaatactt tgcttctttt taccacctgt acctcattta 420  
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<210> 597

<211> 1494

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1483)

<223> n equals a,t,g, or c

<400> 597

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aagggtacag ccgttgtcaa tggagagttc aaagacctaa gccttgatga ctttaagggg 180  
aaatatttgg tgcttttctt ctatcctttg gatttcacct ttgtgtgtcc tacagaaatt 240  
gttgctttta gtgacaaagc taacgaattt cacgatgtga actgtgaagt tgtcgcagtc 300  
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ttgggccaca tgaacatcgc actcttgta gacttaacta agcagatttc ccgagactac 420  
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ggagtcatca agcatttgag cgtcaacgat ctcccagtg gccgaagcgt ggaagaaacc 540  
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aaggtaaatc agtagatcac ccatgtgtat ctgcaccttc tcaactgaga gaagaaccac 720  
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attttaccac caaaaaaaaa aaaaaaaaaa cctcgggggg ggncccggtc ccca 1494

<210> 598

<211> 2188

<212> DNA

<213> Homo sapiens

<400> 598

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atgaggggtat atattcggag ygagcgcggg acscgatgag tggccgcgcg gaaggagctg 180

gagacggctcg tagctgcggt cgcgccgaga aaggtttaca ggtacataca ttacaccccct 240  
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tccaaagctg ggcaagagca cctactacgt ttctggaatg agcttgaaga agcccaacag 360  
gtagaacctt atgcagagct ccaggccatg aactttgagg agctgaactt ctttttccaa 420  
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tcccgttaaga cactttttca gattcaagca gagcgtatcc tgaagctaca gcaggttgct 720  
gaaaaatatt atggcaacaa atgcattatt ccatgggtata taatgaccag tggcagaaca 780  
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aatttcgtac agctgcaagt aaactgatgt tgaacatccw gctwtayttc agctggaagc 2160  
atttgttttt gaagttgtac atagtaat 2188

&lt;210&gt; 599

&lt;211&gt; 1273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 599

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gagtttttta attgagaagt ttaattcaga agtttgtttt tggctcctct gatttaacat 180  
tttatatttc ttttgaaaaa tttccaacag agctcaaatg atacttttcc cacagcaatg 240  
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gatgctcttg atgcaaaatc caaagagttt gcacagatca tcaagattgg acgtactcat 360  
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aaatatgcaa tgacaagaat aaaagctgcc atgccaagaa tctatgagct cgcagctgga 480  
ggcactgctg ttggtacagg tttaaatact agaattggct ttgcagaaaa ggttgctgca 540  
aaagtggctg cacttacagg cttgcctttt gtcactgctc cgaataaatt tgaagctctg 600

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ttgatcttgc ctgaaaatga accaggaagc agtatcatgc caggcaaggt gaaccctact 780
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ccgtacccat tgg                                     1273
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&lt;210&gt; 600

&lt;211&gt; 1239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 600

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ctttgctgtt caccagatgt aatgttttag ttcccttaca acaggggttg gggggggaag 120
ggcgtgcaaa aactaacatt gaaattttga aacagcagca gagtgagtgg attttatatt 180
tcgttattgt tgggtggtta aaaaattccc cccatgtaat tattgtgaac accttgcttt 240
gtgggtcactg taacattttg ggggtgggac agggaggaaa agtaacaata gtccacatgt 300
ccctggcatc tgttcagagc agtgtgcaga atgtaatgct cttttgtaag aaacgtttta 360
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gcaaacttag ttctgggtgat ttcttgatgg ttggaagtc tattgctggg aagaaattcc 600
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&lt;210&gt; 601

&lt;211&gt; 1286

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 601

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attttcagtg gtgtgcagca tttttgcttc atgagtatga cctaggtata gagatctgat 240
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taaagacagt agaaatatta ttcagtaaac aataatgtgt gaacttttaa gatggataat 420
agggcatgga ctgagtgtct ctatcttgaa atgtgcacag gtacacttac cttttttttt 480
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<210> 602

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 602

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ggaggtgttt tgtctaacca tcaaaatggt tgagactttt ttttaaacat ttctgagttc 120
gaaggtaata ctgacagatt tcttcctct tccctcccca tcaccacct cagtataac 180
acattactga tagaggaagt cattagaatc atttttaagt ttcagatata ggagacttca 240
tgcaatttgg agataagact aattattggg ggttttcctt ggattttttt ttttaataact 300
gggggctatt ttatcagctt gcctattaaa ggactatggg aagtatagaa tcttaatggg 360
tgccagttag taattctttt tttttttttt ttactgtana caca 404
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<210> 603

<211> 1168

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<400> 603

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ccccaggtcc agttcaaaact tgtattgggt ggtgatgggt gtactggaaa aacgaccttc 180
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gttcatcccc tagtgttcca caccaacaga ggacctatta agttcaatgt atgggacaca 300
gccggccagg agaaattcgg tggactgaga gatggctatt atatccaagc ccagtgtgcc 360
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<210> 604

<211> 458

<212> DNA

<213> Homo sapiens

<400> 604

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gatcggttaac tgaagacaat atgcaaaatt ctacatgga tgaatacaga aattctagta 180
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ctacagaaga aactgaaatg gcaagtgtgt tggaccttcc agtgacgctg acagaaacag 360
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<210> 605

<211> 911

<212> DNA  
<213> Homo sapiens  
  
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<221> misc feature  
<222> (897)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (904)  
<223> n equals a,t,g, or c

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ggaagcttcc gcagagccgg ccgggctttc ccagtcctcc gtggggacca gcattagcag 180  
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<210> 606  
<211> 738  
<212> DNA  
<213> Homo sapiens

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<222> (730)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (737)  
<223> n equals a,t,g, or c

<400> 606  
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<210> 607

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1328)

<223> n equals a,t,g, or c

<400> 607

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<210> 608

<211> 722

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
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<222> (703)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (718)  
<223> n equals a,t,g, or c

<400> 608  
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<210> 609  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 609  
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taatagcact gtgacgaaca tccttcttaa caaaattctt tgtctgcacc tatggttatt 240  
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<210> 610

<211> 1866

<212> DNA

<213> Homo sapiens

<400> 610

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aatatattac tgcttaaaaa gatttcctaw aaagaaatgt atcmagtgtg tgaatcaaaag 180  
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tcgacg 1866

<210> 611

<211> 2176

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature  
<222> (2162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2169)  
<223> n equals a,t,g, or c

<400> 611

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2176

<210> 612

<211> 3619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<400> 612

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<212> DNA

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<220>

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<222> (297)

<223> n equals a,t,g, or c

<400> 613

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<211> 1433

<212> DNA

<213> Homo sapiens

<400> 614

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<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<400> 615

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<211> 2174

<212> DNA

<213> Homo sapiens

<400> 616

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<211> 3147

<212> DNA

<213> Homo sapiens

<400> 617

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&lt;210&gt; 618

&lt;211&gt; 2529

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 618

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<211> 551

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<213> Homo sapiens

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<211> 1735

<212> DNA

<213> Homo sapiens

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&lt;210&gt; 621

&lt;211&gt; 1026

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 621

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ctcattttaa cattaccag catcattggt tataatcaga aactctgggt cttctgtctg 120
gtggcactta gagtcttttg tgccataatg cagcagtagt gagggaggat tttatggaga 180
aatggggata gtcttcatga ccacaaataa ataaaggaaa actaagctgc attgtgggtt 240
ttgaaaagggt tattatactt cttaacaatt ctttttttca gggacttttc tagctgtatg 300
actgttactt gaccttcttt gaaaagcatt cccaaaatgc tctatttttag atagattaac 360
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tacatc 1026
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&lt;210&gt; 622

&lt;211&gt; 670

&lt;212&gt; DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<400> 622

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ggcgtcagcg agtgcgcggt ccagtgcggc cggaacctgg cgcaactcct agagcggtcc 180
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tgctggactc gctgaagaga gactacgcag gaaagcccca gccacccatc aaatcagaga 300
gaaggaatcc accttcttac gctatggcag gtaagaaagt actcattgtc tatgcacacc 360
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agggtgcac cgtcacagtg tctgatttgt atgccatgaa ctttgagccg agggccacag 480
acaaagatat cactggtact ctttctaata ctgaggtttt caattatgga gtggaaaccc 540
acgaagccta caagcaaagg tctctggcta gcgacatyac tgatgagcag aaaaaggntt 600
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ttcttgaaag                                     670
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<210> 623

<211> 2163

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<400> 623

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cggtagggac gggagggcag caagatggcg cagacgcagg gcacccggag gaaagtctgt 120
tactactacg acggggatgt tggaaattac tattatggac aaggccaccc aatgaagcct 180
caccgaatcc gcatgactca taatttgctg ctcaactatg gtctctaccg aaaaatggaa 240
atctatcgcc ctcacaaagc caatgctgag gagatgacca agtaccacag cgatgactac 300
attaaattct tgcgctccat ccgtccagat aacatgtcgg agtacagcaa gcagatgcag 360
agattcaacg ttggtgagga ctgtccagta ttcgatggcc tgtttgagtt ctgtcagttg 420
tctactggtg gttctgtggc aagtgtgtg aaacttaata agcagcagac ggacatcgct 480
gtgaattggg ctgggggcct gcaccatgca aagaagtccg aggcattctg cttctgttac 540
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gtcatgactg tgtcctttca taagtatgga gagtacttcc caggaactgg ggacctacgg 720  
gatatcgggg ctggcaaagg caagtattat gctgttaact acccgctccg agacgggatt 780  
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aagtaacatc agccattttt agattggttc tgttttcgta ccttcccact ggcccaagt 1980  
gagccaagaa aactgcctg ccctctgtct gtcttctcct aattctgcag gtggagggtg 2040  
ctagtctagt ttcttttttg agatactatt ttcatttttg tgagcctctt tgtaataaaa 2100  
tggtacattt ctataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2160  
aaa 2163

<210> 624

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<400> 624

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ctgtgagtgt ggtgttccga taagtccaaa tcctgccaat atttgtgtgg cctgtttgcg 240  
aagtaaaagt gacatcagcc aaggtattcc gaaacaagtc tcgatttcgt tctgcaaaca 300  
atgtcaaagg tattttcaac caccaggaac ttggatacag tgtgctttag aatccaggga 360  
acttcttgct ttgtgcttga aaaaaatcaa agccctctctg agtaaggtag ggctttaga 420  
tgcaggcttt gtttggactg agcctcattc taagagactt aaagktaaac tgactattca 480  
gaaagagggt atgaatggtg ctatccttca acaagtgttt gtggtggatt atgktgkccc 540  
caaattgggg gagatggcat anaganaact aaggattctg gaaaggtttg attaaggggn 600  
g 601

<210> 625

<211> 593

<212> DNA

<213> Homo sapiens

<400> 625

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actaacaaaa gatggctacg agggtaacat gttcggaggc ctcagcgggg caacagtcac 120  
tgactccctc gataccctct acctcatgga gctgaaggag gagttccagg aggccaaggc 180  
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catccgctac atcgggggac tcctctcagc cttctacctg acaggagaag aggtgttccg 300  
aataaaaggcc atcaggctgg gagagaagct cctgccggcg ttcaacaccc ccacgggaat 360  
cccaaagggc gtggtgagct tcaaaagtgg gaactggggc tgggccacag ccggcagcag 420  
cagcatcttg gcggagtttg gatccctgca cttggaattc ttacacctca ctgaactctc 480  
tggaaccag gtcttcgctg aaaaggtcag gaacatccgc aaggctctca ggaagwtcga 540  
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<210> 626

<211> 2272

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2267)

<223> n equals a,t,g, or c

<400> 626

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ggactcgcgt cgcgccgcg gagacgtgaa gctctcgagg ctctctccgc tgcgggtcgg 120  
cgctcgccct cgctctctc gccctccgcc ccggcccccg ccccgcgccc gccatggaga 180  
agactgagct gatccagaag gccaaagctgg ccgagcaggc cgagcgctac gacgacatgg 240  
ccacctgcat gaaggcagtg accgagcagg gcgcccagct gtccaacgag gagcgcaacc 300  
tgctctccgt ggctacaag aacgtggtcg gggggccgag tccgcctgga gggctcatctc 360  
tagcatcgag cagaagaccg acacctccga caagaagttg cagctgatta aggactatcg 420  
ggagaaagtg gactccgagc tgagatccat ctgcaccacg gtgctggaat tgttgataa 480  
atatttaata gccaatgcaa ctaatccaga gagtaaggtc ttctatctga aaatgaaggg 540  
tgattacttc cggtagcttg ctgaagttgc gtgtggtgat gatcgaaaac aaacgataga 600  
taattcccaa ggagcttacc aagaggcatt tgatataagc aagaaagaga tgcaaccac 660  
acaccaatc cgcctggggc ttgctcttaa ctttctgtg ttttactatg agattcttaa 720

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taacccagag cttgcctgca cgctggctaa aacggctttt gatgaggcca ttgctgaact 780
tgatacactg aatgaagact catacaaaga cagcaccctc atcatgcagt tgcttagaga 840
caacctaaca ctttgacat cagacagtgc aggagaagaa tgtgatgcgg cagaaggggc 900
tgaaaactaa atccatacag ggtgtcatcc ttctttcctt caagaaacct ttttacacat 960
ctccattcct tattccactt jgatttccta tagcaaagaa acccattcat gtgtatggaa 1020
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maaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa ta 2272
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<210> 627

<211> 871

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (863)

<223> n equals a,t,g, or c

<400> 627

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cggcggcggc ggacgagcgg agtccagagg acggagaaga cgaggaagag gaggagcagt 180
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aatgcaagggt tttgggcatt gacactgaga ggcccattct gcaagtggac agctgtgtct 300
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atgctgatac agaaggcaat aataaaacag tgctaaaata taaatgccat acaatgaaga 420
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa t 871

<210> 628

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 628

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gctgcggaat cgcgtcaccg accgctaact tcggatccag gaggtgctga agcacgccag 180  
gcacttcggg ggaaggaaaa atcgtctgcta caggttggcg gtcagaaccg tgattcgagc 240  
ctttgtgaaa tgcaccaaag cccgatacct gaagaaaaag aacatgagga ccctctggat 300  
taatcgaatt acagctgcta gccaggaaca tggactgaag tatccagcgc tcattgggaa 360  
tttagttaag tgccagggtg agctcaacag gaaagtccta gcggatctgg ccacttacga 420  
gccaaagact ttcaaactct tggctgcctt ggccagtagg aggcgacacg aaggatttgc 480  
tgctgccttg ggggatggga aggaacctga aggcattttt tccagagtgg tgcagtacca 540  
ctgaggactg ttgctgtatt gattaggaaa agagacagag taatttgcag tttgtttgat 600  
ttatactttt gtttatctac aacccaataa cagacatgag ggatggccct gtctctctgg 660  
gacagagcct cacagatgat gtccatgttt tgtgtgaatg aaactcaaac actcttcaaa 720  
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 779

<210> 629

<211> 1835

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1835)

<223> n equals a,t,g, or c

<400> 629

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gtcgcctatg ctgagctgca gcagctccgg gtgcaggagg cggtggagtc catggtgaag 120  
agtctggaaa gagagaacat ccggaagatg cagggtctca tgttccggtg cagcgcagc 180  
tgttgtgagg acagccaggc ctccatgaag cagggtgcacc agtgcaccca gcgctgccat 240  
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ctggcccggg gcaccatgca ttgcaaygac aaagccaaaag attcaataga tgctgggagt 360  
aaggagcttc aggtgaagca gcagctggac agttgtgtga ccaagtgtgt ggatgaccac 420

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atgcacctca tcccaactat gaccaagaag atgaaggagg ctctcttata aattggaaaa 480
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tcaccaactt attacttgaa attataatat agcctgtccg tttgctgttt ccaggctgtg 1740
atatattttc ctagtgtttt gactttaaaa ataaataagg ttttaattttc tccccaaaaa 1800
aaaaaaaaaa aaaaaaaaaa aaaaataaaa aaatn 1835
```

<210> 630

<211> 1097

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 630

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<213> Homo sapiens

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<221> misc feature  
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<223> n equals a,t,g, or c

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<210> 632  
<211> 1901  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1894)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1899)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1900)

<223> n equals a,t,g, or c

<400> 632

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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (821)  
<223> n equals a,t,g, or c

<220>  
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<222> (1676)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<211> 1926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 634

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<211> 1346

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

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<220>

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<222> (1342)

<223> n equals a,t,g, or c

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<210> 636

&lt;211&gt; 1584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 636

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&lt;210&gt; 637

&lt;211&gt; 1663

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 637

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<210> 638

<211> 3947

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3738)

<223> n equals a,t,g, or c

<400> 638

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&lt;210&gt; 639

&lt;211&gt; 1427



<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<400> 639

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ccaggcctct gccggggcag cgactggcgc tactggggcc agcrggggcg gtggcccat 180
caaccggcc tcgctgcctc ccggcgaccc gcagctcatc gctctcatcg tggagcagct 240
caagagccgg ggcctttttg acagcttccg ccgggactgc ctggccgacg tggacaccaa 300
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atgtgatact tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1427
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<210> 640

<211> 920

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (910)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (919)

<223> n equals a,t,g, or c

<400> 640

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gctcaggatg tcttcatcac attttgccag tcgacacagg aaggatataa gtactgaaat 180
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aatgcccacg tcgttgagaa tgactcgatc agctactcaa gcagcaaagc aggttcccag 780
aacagtctca tctaccacag caagaaagcc agtcacaaga gctgctaatt aaaacggaac 840
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<210> 641

<211> 1706

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1704)

<223> n equals a,t,g, or c

<400> 641

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cctgtcactg actgggcctg gtacaagatc actgactctg aggacaaggc cctcatgaac 540
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<210> 642

<211> 2170

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (811)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2155)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2170)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 642

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gtccaagtga ttgtccagge tcggcttggt gaaaagattt gcaactcgttc atcatcttct 120
ccaacggggt cagattgggt caacttagca atcaaagaca tcccagaggt tacacatgaa 180
gcaaagaagg cactggcagg acagctgcct gcagtcggga ggtccatgtg tgtggagatt 240
tactttaaga cttctgaggg agattccatg gagctggaaa tatggtgtct tgaaatgaat 300
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&lt;210&gt; 643

&lt;211&gt; 1712

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1664)

<223> n equals a,t,g, or c

<400> 643

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aacattgagt tcaagcccga atctcgagtg aatgggtctag atgaaagcaa aatcaaagat 180
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<210> 644

<211> 1793

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (790)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1793)

<223> n equals a,t,g, or c

<400> 644

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<210> 645

<211> 2679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
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<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

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<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

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tggcccagtt acaatgatga agacatttac ctcttcaact cctctcacag tgatggggcc 240  
cagtatgtta agagatacaa gggccacaga aataatgcc cagtaaaagg cgtcaatttc 300  
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cacatgctgt ggttccttat gcatcacctg agacagagac gccatcaccg gcgctggcga 660  
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<210> 646

<211> 832

<212> DNA

<213> Homo sapiens

<400> 646

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aataaaaaata tttcagtagt ctttgcatac gcttaccttg taccagaaac atttccaatt 180
tactatcaaa ttatagtaac tgagcctgtg tgaagtatct catcattttc gaaaggaaca 240
ccttgtgtga tgccagtga cttttctaaa aagggtgtga ggtagaggta aggtgagaga 300
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tcaatatcta tttgttgagc acttattgat taagaccttg catatgtctg tccattttga 480
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tgggtaaaaat gtggctgtaa cctaaaccaa ctagtccctg tgatttggtt ctgccctctg 660
tgtttcctgt tgcaaatgc taagtgtgtg ttttgcagtc atgaactaaa gcacaaaaag 720
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ggtaaataaa aaatttccaa cagggaaaaa aaaaaaaaaa aaaaaaaaaa aa 832
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<210> 647

<211> 1325

<212> DNA

<213> Homo sapiens

<400> 647

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gcccgagac atcagcggct gcgattatgc tactcactgt tcggcacgga acagtcaggt 180
accgcagttc agcgtgttg gcccgacaa aaaataacat ccaaagatat tttggcacta 240
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ttaagggcat gaaagttgaa ttaagcacag taaatgtacg aacaacaaag ccccccaaaa 420  
gaagaccact taaaagtttg gaagctacac ttggcaggct tcgaagagct acagaatatg 480  
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agcttcggat tcagtttgat gaaggctatg acaattatcc tggccaggag aagacggatg 780  
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aaaaggatat tctaaaagaa agtaacatac agttcaatta agaccatgga aatttttatt 1260  
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aaaaa 1325

<210> 648

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<400> 648

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aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaacttta atgaactaac 180  
tgacagcttc atgaaactgt ccaccaagat caagcagaga aaataattaa tttcatggga 240  
ctaaatgaac taatgaggat aatattttca taatttttta tttgaaattt tgctgattct 300  
ttaaatgtct tgtttcccag atttcaggaa actttttttc ttttaagcta tccacagctt 360  
acagcaattt gataaaatat acttttgtga acaaaaattg agacatttac attttctccc 420  
tatgtggtcg ctccagactt gggaaactat tcatgaatat ttatattgta tggtaatatata 480  
gttattgcac aagttcaata aaaatctgct ctttgtatra cagaawamaa aaacattggk 540  
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aacccc 606

<210> 649

<211> 1696

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1047)

<223> n equals a,t,g, or c

<400> 649

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agcctaccaa gcggaacga aaagggctct ctgcagtggg ctctgacagt gactgaggcc 840
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aaaaaaaaaa aaaaaa 1696
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<210> 650

<211> 3059

<212> DNA

<213> Homo sapiens

<400> 650

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aacagagagg gagaaagtta ctgttatgag caccattaat ccaactaagg acctgttggc 900  
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&lt;210&gt; 651

&lt;211&gt; 1366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 651

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cggactgtgt atttatttac tataatgtta gcttacaagc tgggaatata agtgcattaa 180  
cggcccatat gagtcaatgg tatgcaaaaa gtctgtgttc tcccaataa taatattaat 240  
cccacaaata acgacatgat cccgccccct gttcctttct gttatttttt cttagatata 300

agttttacat ttttwattcc ttttcctctt tttttggttt tgattgggtt ggtttgaggg 360  
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&lt;210&gt; 652

&lt;211&gt; 1425

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 652

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<212> DNA

<213> Homo sapiens

<400> 653

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614

<210> 654

<211> 2812

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2651)

<223> n equals a,t,g, or c

<400> 654

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<210> 655

<211> 1997

<212> DNA

<213> Homo sapiens

<400> 655

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<211> 1597

<212> DNA

<213> Homo sapiens

<400> 656

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<210> 657

<211> 372

<212> DNA

<213> Homo sapiens

<400> 657

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<210> 658

<211> 1226

<212> DNA

<213> Homo sapiens

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<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1220)

<223> n equals a,t,g, or c

<220>

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<222> (1226)

<223> n equals a,t,g, or c

<400> 658

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1226

&lt;210&gt; 659

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 659

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464

&lt;210&gt; 660

&lt;211&gt; 2549

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 660

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<211> 1162

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1155)

<223> n equals a,t,g, or c

<400> 661

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<210> 662

<211> 1178

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (978)

<223> n equals a,t,g, or c

<400> 662

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<212> DNA  
<213> Homo sapiens

<220>  
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<222> (25)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (652)  
<223> n equals a,t,g, or c

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<210> 664  
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<212> DNA  
<213> Homo sapiens

<400> 664

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<210> 665

<211> 3364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1097)

<223> n equals a,t,g, or c

<220>

<221> misc feature

&lt;222&gt; (1470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1881)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 665

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<211> 1223

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (1123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1205)

<223> n equals a,t,g, or c

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<210> 667

<211> 1997

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1289)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1974)

<223> n equals a,t,g, or c

<400> 667

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1997

&lt;210&gt; 668

&lt;211&gt; 586

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 668

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586

&lt;210&gt; 669

&lt;211&gt; 1097

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 669

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<210> 670

<211> 2900

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2418)

<223> n equals a,t,g, or c

<400> 670

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cattcacacc tcttttgcag aagtcgtatc aaaaggaaaaa gggaaaaagt gaacagtgat 2760  
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gaccagagtt cagagagccc 2900

&lt;210&gt; 671

&lt;211&gt; 987

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 671

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gagcaggact cagaggaggc tcgattaaaa ctggaagaga ccagagargt acagaacttg 180  
aggaagaggc ccaacggggg gagtgctgtg gccttgctgg tgggagagaa ggtacaagag 240  
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cctctcccta tatccctccc atgaaaa 987

&lt;210&gt; 672

&lt;211&gt; 2825

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 672

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tcgag

2825

&lt;210&gt; 673

&lt;211&gt; 1430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1046)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1409)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1413)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 673

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1430

&lt;210&gt; 674

&lt;211&gt; 1125

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1098)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1120)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 674

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&lt;210&gt; 675

&lt;211&gt; 1077

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

<223> n equals a,t,g, or c

<400> 675

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<210> 676

<211> 920

<212> DNA

<213> Homo sapiens

<400> 676

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<210> 677

<211> 1247

<212> DNA

<213> Homo sapiens

<400> 677

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<210> 678

<211> 2667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2602)

<223> n equals a,t,g, or c

<400> 678

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&lt;210&gt; 679

&lt;211&gt; 952

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 679

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<210> 680  
<211> 2309  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

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<211> 451  
<212> DNA  
<213> Homo sapiens

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<221> misc feature  
<222> (370)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (428)  
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<210> 682  
<211> 1298  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1294)  
<223> n equals a,t,g, or c

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<210> 683

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (793)

<223> n equals a,t,g, or c

<400> 683

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<210> 684

<211> 1251

<212> DNA

<213> Homo sapiens

<220>